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ESTABLISHED

49  
YEARS

ANNUAL CATALOG  
FOR 1914

WHITE RAMBLER

BLUE RAMBLER

DOROTHY PERKINS

IMPROVED CRIMSON  
RAMBLER

GOLDEN  
RAMBLER

THE FIVE  
RAMBLERS

ONE  
STRONG PLANT  
OF EACH

FOR 50 CENTS  
POSTPAID.

ONLY ONE  
THE BEST  
QUALITY

DON'T FAIL TO TRY ALSO  
**The Baby Rambler**  
A Wonderfully Fine Bloomer  
AND ONE OF THE MOST SATISFACTORY  
ROSES FOR GROWING EITHER IN  
POTS OR THE  
OPEN GROUND.

15 CTS.  
EACH

IOWA SEED CO.

DES MOINES,

IOWA, U. S. A.

SEEDSMEN TO

THE AMERICAN PEOPLE

STECHER CO. ROCHESTER, N. Y.



# RAINBOW RAMBLER ROSE COLLECTION

FIVE HARDY CLIMBING ROSES, FIVE DIFFERENT COLORS

The Rambler Roses are general favorites. They are popular, because of hardiness, free blooming and brilliant coloring. For pergolas, trellis and porch training no other class of roses are so acceptable.

**FIVE FINE STRONG PLANTS POSTPAID FOR 50 CTS.**

**Fine Two-Year-Old Plants for Immediate Blooming Postpaid to Any Address \$1.00**

Forms and Shades of Color Shown in the Artistic Picture on the Front Cover Page of this Catalogue

**Blue Rambler** (Veilchenblau).—The wonderful new rose which has attracted so much attention. It resembles the well known Crimson Rambler in its climbing habit and manner of growth, having glossy green foliage and bearing large clusters of medium sized flowers. When first opened, its color is an attractive shade of violet-crimson, later changing to a more distinctive and unique shade of violet-blue. It is markedly distinct in color from any other rose within our knowledge; and, from a conservative standpoint, is a novelty deserving of attention and trial on pillar, arbor or trellis. Strong, young plants each 15c; large two-year-old 30c.

**Improved Crimson Rambler** Many of our friends have no doubt noticed some Crimson Ramblers that are brighter and more intense crimson than the ordinary sort. These are also found to be more robust and less liable to disease than the older type. This valuable selection we are offering this year under the above name and our friends will find it well worthy of the recommendation which we give it. Fine young plants, each 10c; large two-year-old, each 25c.

**Dorothy Perkins Rambler** This is the finest, strongest and best in every respect of the pink flowered Rambler roses. We cannot too highly commend it for profuse blooming, vigor of plant and beauty of color. It is a popular favorite and is universally endorsed by professional florists and nurserymen. Our stock is well grown, thrifty and will please. Nice plants, each 10c; two-year-old plants, each 25c.

**White Rambler** Everyone enjoys the purity of a white blossom, and white is always needed for contrasting effects in bouquets, indoor decorations or outdoor planting. The White Rambler is of the same type and manner of growth of the common crimson Rambler and is made a part of this collection to supply the necessary color variation. Each 15c; two-year-old plants, each 25c.

**The Golden Rambler** This is the best of all hardy climbing yellow roses. It is of the Rambler type, in habit and manner of growth, and will be admired by all. It is wonderfully vigorous and healthy. The open flowers are perfectly double, and the color is deep lemon yellow. For many years there has been an insistent demand for a good hardy yellow climbing rose, and the Gold Rambler will fill this want. Each 15c; two-year-old plants, ea. 30c.

**RAINBOW RAMBLER ROSE COLLECTION 50 CENTS**

## American Beauty Rose Collection

Who has not heard of the American Beauty, the rose famed in story, poetry and song? The cut flowers are frequently sold during the winter at \$10.00 to \$25.00 per dozen. What flower lover has not hoped some day to have a "garden of roses" with American Beauties galore? This collection has proven very popular and we are growing vast numbers of plants for the immense demand. Read carefully the list of varieties fully described in the Plant List and notice the low prices. American Beauty, White American Beauty, Black Beauty, Striped Beauty, Pink Beauty and Moss Beauty. By mail postpaid to any town in the United States.

**SPECIAL:** One strong plant each of the above six roses for 75c. One large two-year-old plant of each for \$1.50.

FOR BABY RAMBLER ROSES SEE PAGE 115



DOROTHY PERKINS

## RAINBOW RAMBLER and AMERICAN BEAUTY BOTH COLLECTIONS

One Year Plants (10 in all) - - only \$1.10 postpaid  
Two Year Plants " " " " 2.25

## "Complete Garden Collection"

35 Varieties Best Garden Vegetables

FOR \$1.00

All Good Desirable Sorts Sure to Please You

Consists of one full sized packet each of Improved Golden Wax Beans, Old Homestead Pole Beans, Eclipse Beet, Henderson's Snowball Cauliflower, Washington Wakefield Cabbage, Shortstem Drumhead Cabbage, Oxheart Carrot, White Plume Celery, Early Sunrise Corn, Country Gentleman Corn, Emerald Cucumber, Improved Ground Cherry, American Mammoth Brussels Sprouts, Monarch White Rice Pop Corn, Continuity Lettuce, Improved Hanson Lettuce, Rocky Ford Musk Melon, Duke Jones Water Melon, Large Red Wethersfield Onion, Mammoth Prizetaker Onion, Iowa Challenge Peas, White Icicle Radish, Rosy Gem Radish, Improved Table Guernsey Parsnip, Market Gardener's Parsley, Ruby King Pepper, Early Crookneck Squash, Hester Squash, Bloomsdale Spinach, Mammoth Sandwich Island Salsify, Stone Tomato, Matchless Tomato, White Egg Turnip, Purple Top Strap Leaf Turnip, Monarch Ruta Baga, and Garden Lemon.

**Total of 35 Full Sized Packets Sent Postpaid for \$1.00**

At Our Regular Price They Amount to About Two Dollars

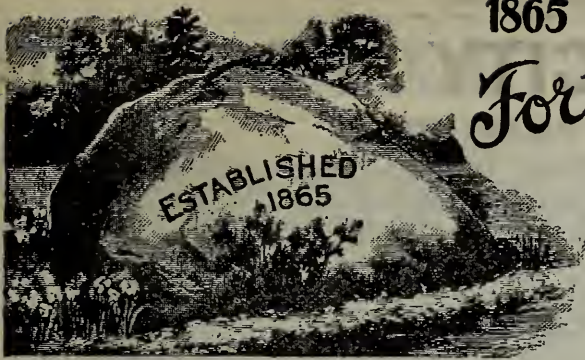
**NOTICE:** These collections are all put up ready for mailing before our busy season begins, and therefore cannot be changed or divided. Varieties described in Vegetable Seed Dept.

It is a Bargain. Can a Dollar be better Invested?

The best investment I ever made with one dollar was this spring when I sent to you for garden seeds. I wish you could see my garden. It is just grand,—Mrs. David Horton, Caseville, Mich.







# 1865 Fortynine Years Successful Business! 1914

Des Moines, Iowa, January, 1914

## To Our Customers:

As the years pass by our obligations to our friends for patronage and good will grow to greater volume. The thanks which we extend upon this printed page would be a poor return for your favors if this were all, but we believe the expression of our appreciation can best be shown by maintaining the high standard and efficiency of our service, and the quality and excellence of our **CHOICE IOWA SEEDS**.

No single influence tends so greatly to build integrity in a business house as the confidence of its friends expressed in continued patronage. The very pride which you have inspired in the management of this business is a guarantee that no slump in methods or in merchandise will be permitted by us. By your kindly attitude ambition is spurred and every care and effort will be given to increase the prestige and business of this concern. We expect to maintain and extend every possibility we possess in our position as

## "SEEDSMEN TO THE AMERICAN PEOPLE."

BY THIS WE MEAN NOT ONLY NATIVE BORN AMERICANS, BUT ALL RESIDENTS OF THIS COUNTRY

### OUR GUARANTEE

Any customer sending cash with order for seeds has the privilege of returning them within fifteen days after receipt of same, if he is not satisfied with his purchase, and the money paid for same will be refunded. This applies to garden, flower or farm seeds.

### OUR GOLDEN ANNIVERSARY

The year 1915 will mark the 50th year since the foundation of the business now carried on by the Iowa Seed Co. We have thousands of old-time customers, who have traded with the house for many years. We want you to write us this season, telling us something of your successes and disappointments in dealing with us, as we hope by this method to get greater inspiration for continued effort, and by closer relations with our friends learn their needs and meet their wants.

Our appeal for patronage is made not alone to our thousands of old-time friends and customers, but also to those new acquaintances whose favors we seek. It is not difficult to secure continuous orders from those who have traded with us in times past, as we hold their friendship through fair dealing and choice stocks. Of those who do not know our house, its methods and aims, we ask a trial order only, being willing to leave to your own judgment the question of whether or not you shall continue a patron of the Iowa Seed Company. Our standing in the world's seed trade is unquestioned; our reputation for square dealing is well known throughout the country, and we are generally credited with selling the best grade of seeds that are offered. Under the whip of competition and the spur of production costs we expect to hold our place by selling the best possible stocks at the lowest price consistent with profitable merchandising. Price, however, must be second to quality. You do not want poor seeds at any price. We affirm without qualification that our prices are as low as the quality supplied will justify.

IOWA SEED CO.

CHAS. N. PAGE, Pres. M. KURTZWEIL, 1st Vice Pres. E. T. PRIRCE, 2nd Vice Pres. J. N. ALBRIGHT, Treas. GEO. L. KURTZWEIL, Sec.

## SUGGESTIONS TO CUSTOMERS

Our constant aim is to make the highest quality the first consideration, and next to put our prices as low as good seed can be sold

**Order Early:** The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet, as it makes it more convenient for us in filling orders. You will note there are two order sheets enclosed; one for seeds, tools and miscellaneous goods, and the other for plants, bulbs and nursery stock. If you will use them as intended, it will greatly facilitate the execution of your orders. Terms are invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received the same as cash.

**Shipping:** There are five express companies and fifteen railroad lines at Des Moines, so that quick shipments can be made to any town in the United States.

**Charges Prepaid:** All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent prepaid by mail or express by the quickest and most direct routes, unless ordered otherwise, and we guarantee the safe arrival. Seeds sold by the peck or bushel. Field Seeds, Potatoes, Implements and other heavy goods are sent by freight or express, customers paying charges. Remember seeds go at special rates by express.

**Seeds by Mail:** Seeds, plants and bulbs may be sent by Parcel Post but require eight cents per pound postage irrespective of distance. Miscellaneous merchandise may go by Parcel Post at zone rates.

**Delivery:** The point of delivery of all goods is on cars at Des Moines. When we quote a delivery price it means simply that we prepay the freight, express charges or postage.

Many of our former customers live at railroad stations where there are no agents. In such cases we must request them to send sufficient money to prepay freight charges on heavy shipments; also in cases where perishable or other goods are ordered to be sent by freight or express to such great distances that cost of transportation will nearly or quite equal the value of the goods.

**Discounts:** We have this year made the prices in this catalogue as low as our high grade seeds can be sold, and we can give no discounts. In ordering seeds in bulk you may deduct ten cents per pound on vegetable seeds, such as are listed prepaid, if you are willing to have them sent by express or freight at your expense.

**Premiums:** Each year we put up thousands of packets of new or particularly desirable varieties of seeds for free distribution to our customers. We will send these out with the seeds ordered by you and will treat you liberally in this respect. We shall also try to please our plant customers by adding something to their order when shipping it.

**Our Responsibility:** As this book will probably go into the hands of some who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the Century Savings Bank of this city, to the postmaster, or to any express company.

**What We Guarantee:** That all money sent to us for seed shall reach us if sent us by registered letter, postoffice or express money order, or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. Keep a copy of your order. Sometimes persons think they have ordered articles which they have omitted, and blame us for not sending them.

**About Warranting:** We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. When it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or dry soil, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant seeds to produce a perfect crop, and we want it plainly understood that while we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty express or implied as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and the money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for vegetable or flower seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will see that we are right.

**Market Gardeners** and others who buy vegetable seeds in bulk to the amount of \$5.00 or more are requested to send their list of seeds wanted to us and let us make special quotations.

**Plant Orders:** Orders for plants will be filled as early in the spring as we consider it safe to send them. If ordered for immediate shipment in severe weather they will be sent at purchaser's risk.

**Small Orders:** We take pains to fill orders promptly and correctly, no matter if only for but one packet of seeds, but we request that plant orders amount to at least 25 cents, and nursery stock to at least 50 cents, as otherwise they are filled at a loss to us.

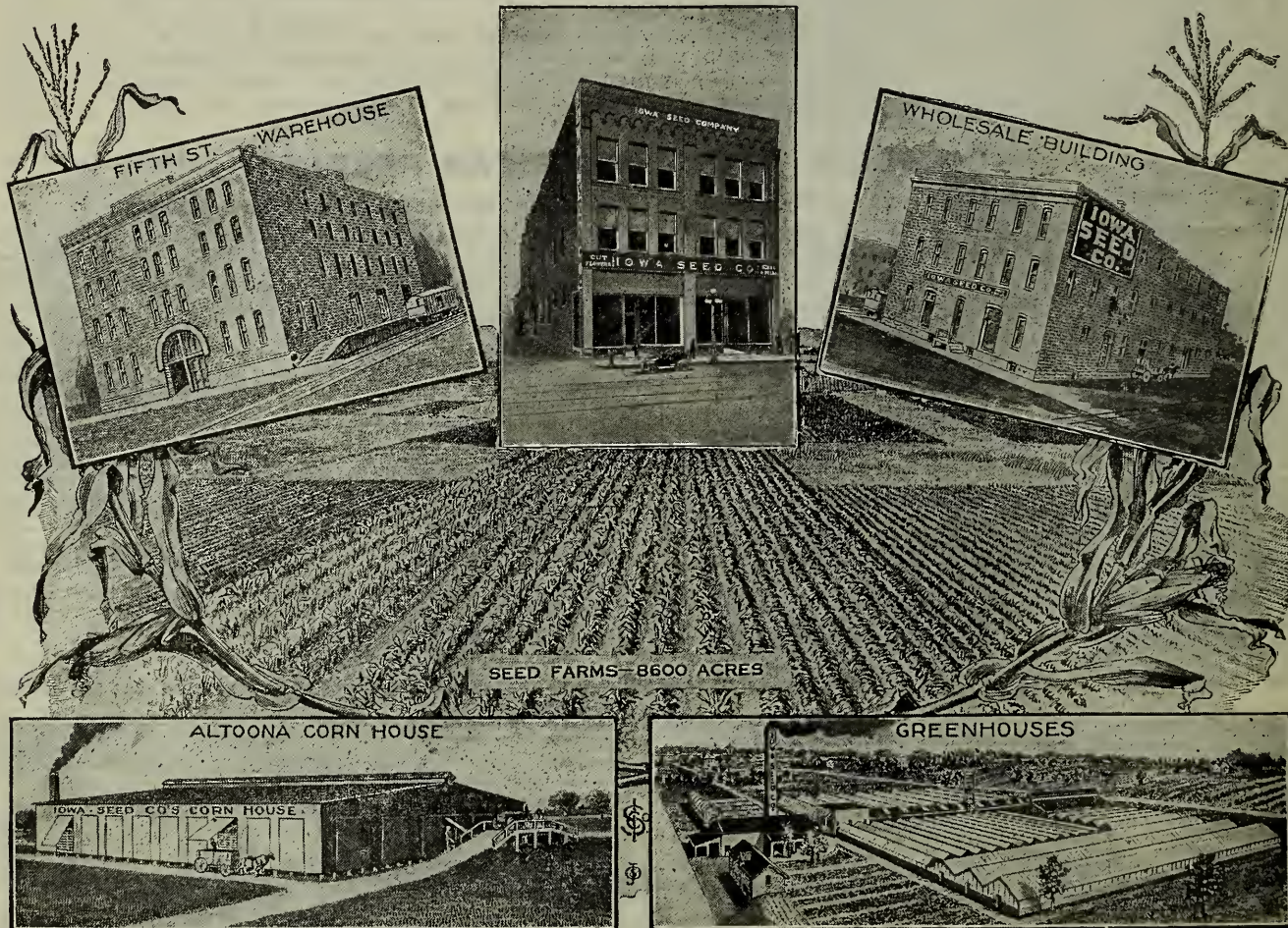


# ADDITIONAL CAPACITY FOR 1914

A NEW LOCATION AT 209-211 WALNUT STREET

In order to secure more room and better facilities for our continued growth, we have removed our store and offices to a fine new building at 209-211 Walnut street, where we have three floors and basement, giving us more than 22,000 square feet of floor space, or nearly double the capacity of the old store rooms which we have occupied for seventeen years. We have fitted up this building in first class shape and believe it is the finest seed store in the west. The former mail order building at 208, 210 and 212 South Eighth street has been given over entirely to the cleaning and storing of stocks and the execution of wholesale orders. The mail order department has been located in a portion of the second and all of the third floor in the new building, and with added equipment is prepared to handle double the business we have had in the past. We believe this department is now in position to give you prompt

and efficient service, no matter how heavy the trade becomes. Our general offices and the printing department is located on the second floor; the entire first floor is given to our retail city trade, while the basement is utilized for storage of surplus stocks of various kinds from which supplies are drawn as needed. Our business has developed tremendously and has forced continued expansion to provide for its annual growth. With this removal into larger quarters we have also given particular care in providing conveniences and arrangement to save time and labor and feel that we are now fully prepared to meet the future growth which is sure to come. In our Golden Anniversary Catalogue for next year we hope to show you in pictures the interiors of our house, so that you may form a correct idea of the magnitude and system of our business.



## OUR ESTABLISHMENTS

**THE IOWA SEED STORE** in the new location at 209-211 Walnut street is a credit to Des Moines and Iowa and is properly a source of pride to us, who try to keep it worthy of the patronage of our 250,000 customers. It is because of your friendship that such a store is possible, and we intend that it shall reflect in beauty and magnitude the confidence of our patrons. We are located in the civic center of the city, within a block and a half of the post-office, the City Library, the Coliseum and the public market. The new interurban station is only two blocks north from our building, while the stations of the steam roads are but a few blocks distant. We are within easy reach of all visitors to our city and invite every customer to come and call upon us when in Des Moines.

**THIRTY-TWO GREENHOUSES** erected during the past few years are devoted to growing plants for the mail order trade, and contain a greater variety of plants than any other greenhouse establishment in the west. They are located convenient to the electric car line, fronting five blocks on 31st street, from Center street north to Kingman Boulevard, one of the finest driving streets in the city. Here we devote fully twelve acres to flowers, making the finest display to be found in the west.

**WHOLESALE BUILDING** is located at 208-210-212 South Eighth street, about eight blocks from our store. The rail-

way tracks beside the building give us excellent facilities for handling carload lots, and we are centrally located between the various freight depots so that all shipments can be made promptly. Our machinery is operated by five electric motors, and we claim that our mills for cleaning seed cannot be surpassed. Most of our employees have been with us many years, and no "green hands" handle seeds in bulk.

**THE WAREHOUSE** on South Fifth street we have occupied for many years for storage purposes only. Large lots of seed which come in after harvest are thoroughly cleaned and then put away in this building for the spring trade.

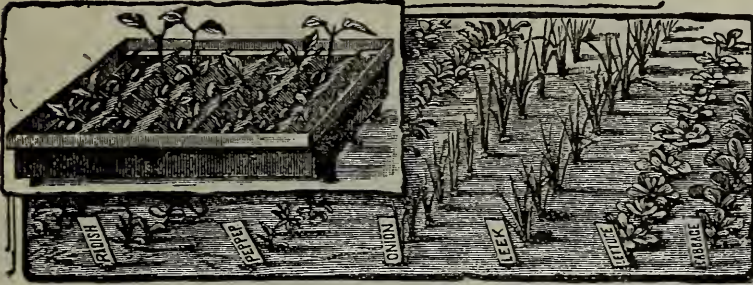
**SEED CORN HOUSE.**—We have a very large trade in seed corn and to care for it properly we erected this building on our seed farm at Altoona. We now have capacity for 25,000 bushels of seed corn, every ear of which can be given the personal inspection of an expert.

**OUR NEW GRAIN ELEVATOR.**—Just completed at Altoona, with 12-bin capacity, for caring for our seed grain, the demand for which is expanding to enormous proportions. Photograph on page 39.

**SEED FARMS.**—It requires the seed crop from about 8,600 acres to supply our trade and the farms are widely isolated so as to avoid any mixtures. Some seeds cannot be grown to advantage here, and we contract with practical seed growers elsewhere to grow for us.



# VEGETABLE SEEDS



SEED TESTING AND TRIALS

up to the standard of purity and excellence, and are of the highest vitality, and the result is that we rarely have complaints as our Choice Iowa Seeds are sure to please.

Our stock of vegetable seeds we are sure cannot be excelled either in quality or selection by any firm in the country, as we watch our growing crops with great care, taking pains to isolate and keep pure and true to name. Every variety listed is desirable and has our recommendation. Our packets are, we believe, as well filled as any reliable seed dealer's in the United States, and, in fact, a comparison has shown that they contain more seed, on the average, than those of any other firm whose packets we have secured. We pay the postage at these prices, except on Beans, Peas and Corn at the peck or bushel rates.

We make it a rule to carefully test all seeds as soon as received from the grower, or as soon as they are brought in from our seed farms. We also carry on extensive trials on our grounds by which we are enabled to offer only those strains of seeds which come

## ASPARAGUS

(One ounce will sow forty feet of drill. For asparagus roots, see page 38.) Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square requiring 50 plants will give abundant supply for any ordinary family. Soak the seed 4 hours in tepid water; sow early in spring in rows a foot apart; keep clean by frequent weeding and hoeing. Ask for free circular giving instructions for making an asparagus bed.

**COLUMBIAN MAMMOTH WHITE.**—A new and entirely distinct variety, that produces shoots which are white and stay white as long as fit for use. Is more robust and vigorous in habit, and throws up larger shoots and fully as many as Conover's Colossal, and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

**PALMETTO.**—Stalks frequently measure 2 inches in diameter, and even when 12 inches long are perfectly tender when cooked. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

**CONOVER'S COLOSSAL.**—The standard variety. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

## ARTICHOKE

This vegetable is a great delicacy, highly valued in all parts of Europe, and also one of their most prominent table vegetables in California and other parts of this country. It is a perennial producing the large flower heads, which are the part eaten, the second season and every year thereafter. The young stalks are also sometimes tied and blanched like celery, but they are not equal to the flower heads. Cook like asparagus and serve with cream or butter sauce. Sow seed early in hotbeds or box in the house, and when weather becomes settled transplant in rows four feet apart and two feet in the row. When started early sometimes blooms the first year.

**LARGE GREEN GLOBE.**—The best variety for general use; buds large; scales green; very thick, fleshy. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

## BORECOLE, or KALE

(One ounce will produce about 3,000 plants.)

**LARGE GREEN GLOBE ARTICHOKE**  
Is a hardier vegetable than the cabbage; excellent for greens during winter and spring; splendid food for poultry. Cultivate like cabbage.

**EXTRA CURLED MOSSBACK.**—A most attractive variety; fine crimped leaves, light green, admirable for garnishing. Best cooking. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 85c.

**DWARF GERMAN GREEN, or Siberian.**—Popular. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**THOUSAND HEADED.**—Grown mainly for forage, but also an excellent garden vegetable. See farm seed department. Pkt. 5c; ¼ lb. 20c; lb. 50c.

## BRUSSELS SPROUTS

(One ounce will produce about 3,000 plants.)

Of the cabbage family, producing numerous heads on the stem, of most delicious quality, as well as cabbage-like head at the top. Use and cultivate the same as winter cabbage.

**AMERICAN MAMMOTH.**—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It makes stronger plants and more heads. A profitable crop for market gardeners. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

**ENGLISH.**—Pkt. 5c; oz. 15c; ¼ lb. 45c.

## BROCCOLI

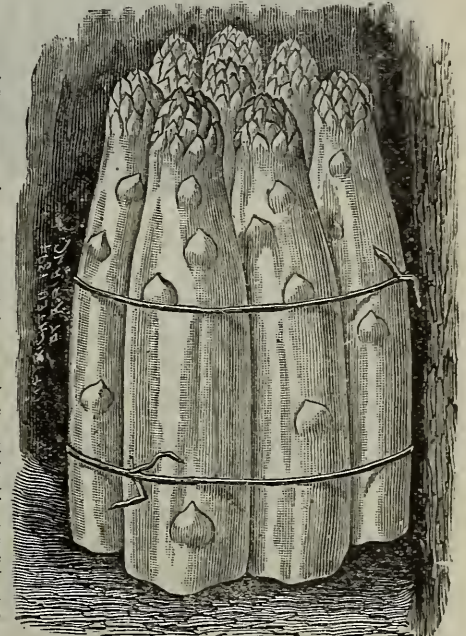
(One ounce will produce about 3,000 plants.)

Growth and habit like the cauliflower, except that it is more hardy, and the heads are not as compact. It is not desirable for warm or dry countries, but is of special value in the north. Cultivate and use the same as Cauliflower.

**EARLY LARGE WHITE.**—The most popular sort. Has medium sized creamy white heads. Pkt. 5c; oz. 35c.

We have never had a failure from your seeds. — David A. Haviland, Humboldt, Iowa.

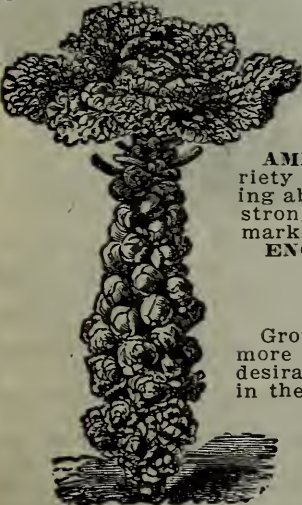
I have used your seed several years and find they always come up and thrive better than any other seed I have ever tried. — Mrs. B. P. Haynes, Hope, Ark.



COLUMBIAN MAMMOTH ASPARAGUS



EXTRA CURLED MOSSBACK KALE



BRUSSELS SPROUTS



EXTRA LARGE WHITE BROCCOLI

ASPARAGUS ROOTS ARE OFFERED ON PAGE 38. YOU SAVE A YEAR'S TIME BY PURCHASING ROOTS



# BEANS

## Dwarf Bush Varieties

(One quart will sow 100 feet of drill.)

Dwarf or bush beans require no support and should be planted in drills an inch and a half deep and drop the beans three inches apart in drills. Beans are tender annuals and cannot be planted until danger of frost is past. A sandy loam is the best. Packages contain about two ounces. Prices include postage at pound rates. All varieties of beans are scarce owing to the crop failure in many sections and you should order early to be sure you get the variety you want.

## WAX POD SORTS

**IMPROVED GOLDEN WAX.**—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax, having larger pods and being more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods a dark, rich golden yellow color and of perfect shape. For family or market you make no mistake in planting them. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express,  $\frac{1}{2}$  pk. \$1.25, pk. \$2.00, bu. \$7.50.

**GERMAN BLACK WAX.**—This strain of Black Wax is in our opinion superior to that generally offered. Pods tender, round, fleshy and stringless. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express,  $\frac{1}{2}$  pk. \$1.25, pk. \$2.00, bu. \$7.00.



IMPROVED GOLDEN WAX

**DAVIS WHITE WAX.**—A new white, rustless, productive, wax-podded bean; pods flat, very long, white, straight and handsome; seeds clear white; excels all others in hardiness and productiveness. One of the best for shipping as snap beans and of the greatest value as a market variety. The length, uniformly perfect shape and fine color of the pods and the clear, white seed, make this one of the best for canners. It is just what they want: a long, straight, clear white pod which does not discolor in canning. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express,  $\frac{1}{2}$  pk. \$1.25, pk. \$2.00, bu. \$7.00.

**WARDWELL'S KIDNEY WAX.**—One of the earliest and most productive of all wax beans. Yields large crop of long, nearly straight, broad and creamy white, handsome pods. They are of good quality and always command a ready sale. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express,  $\frac{1}{2}$  pk. \$1.25, pk. \$2.00, bu. \$7.50.

## GREEN POD SORTS

**STRINGLESS GREEN POD.**—A stringless green pod bush bean. Surpasses all others in crisp, tender flavor. Finely shaped, long green pods, absolutely stringless; ready to market two weeks earlier than the Valentines. Of immense value, not only to market gardeners but also to amateurs who seek a rare quality early bean for home use. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express,  $\frac{1}{2}$  pk. \$1.25, pk. \$2.00, bu. \$7.50.

**LONG YELLOW SIX WEEKS.**—Very early and prolific; long, green, tender, flat pods; matures quickly. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express,  $\frac{1}{2}$  pk. 85c, pk. \$1.50, bu. \$5.50.

**IMPROVED EARLY VALENTINE.**—For many years the standard green pod variety. Very popular. About ten days earlier than the common Early Valentine. In addition, is more robust and vigorous and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening; nearly the whole crop can be taken at one picking, usually within thirty-five days after planting. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express,  $\frac{1}{2}$  pk. 90c, pk. \$1.65, bu. \$6.00.

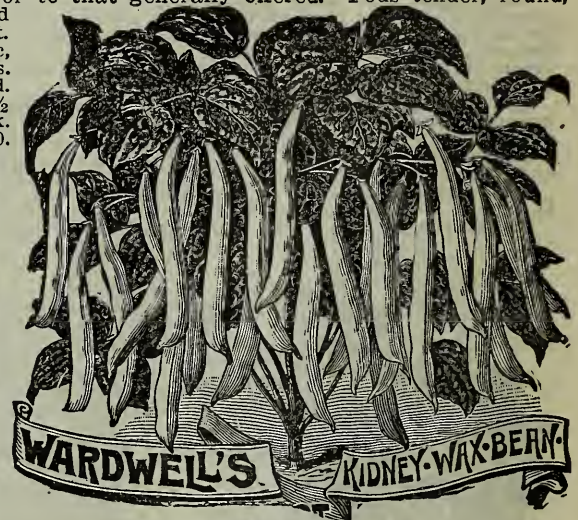
**LARGE WHITE MARROW.**—Fine as shelled bean. Beans are ivory white and double as large as Navy. Especially fine if used as soon as ripe, boiled or baked. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express,  $\frac{1}{2}$  pk. 75c, pk. \$1.40, bu. \$4.50.

**IMPROVED NAVY, or Boston Pea.**—An improvement over the old-time Navy Bean. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 20c, 3 lbs. 55c, postpaid. By express,  $\frac{1}{2}$  pk. 70c, pk. \$1.00, bu. \$3.50.

**PROLIFIC TREE, or California Branch.**—A valuable variety for field culture. It grows about 20 inches high, has stiff, upright branches and bears immensely; sometimes yields 45 bushels per acre. The beans closely resemble White Navy and are marketed in the dry state on equality with that variety. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 20c, 3 lbs. 55c, postpaid. By express,  $\frac{1}{2}$  pk. 70c, pk. \$1.25, bu. \$4.00.



IMPROVED VALENTINE



STRINGLESS GREEN POD

I have always been well pleased with seeds received from you and can recommend them to anyone desiring first-class seeds.—Mrs. Elsie Raliff, Geneva, Iowa.

I wish to thank you and tell you what I think of your seeds. I have the acknowledged finest garden in all our neighborhood.—Mrs. A. J. Darrow, Dixon, Ills.

I received the last order in good shape and well pleased with it. Will favor you next spring.—B. R. Huston, Lenexa, Kansas.

We have never made any mistakes in making purchases of the Iowa Seed Co.—O. B. Barber, M. D., Zanesville, Ohio.

PLEASE USE THE YELLOW ORDER SHEET FOR SEEDS, THE GREEN ONE FOR PLANTS AND NURSERY STOCK





## BEANS==Continued

**BURPEE'S BUSH LIMA.**—A dwarf or bush form of the true Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder. Does not always mature dry shelled beans here, but yields a crop of green ones. Pkt. 5c, ¼ lb. 10c, 1b. 25c, 3 lbs. 70c, postpaid. By express, ½ pk. \$1.00, pk. \$2.00, bu. \$7.00.

**HENDERSON'S BUSH LIMA.**—Grows in compact bush form, producing enormous crops of delicious Lima beans which can be as easily gathered as the common bush bean; is at least two weeks earlier than any of the climbing Limas; produces a continuous crop from the middle of July until frost. Enormously productive.

Pkt. 5c, ¼ lb. 10c, 1b. 25c, 3 lbs. 65c, postpaid; by exp., ½ pk. \$1.00, pk. \$1.75, bu. \$6.50.

**ERFURT EARLY PROLIFIC BROAD.**—We have had inquiries from our customers who formerly lived in England for the English Broad Beans, but we did not handle them, as the leading variety, the Broad Windsor, does not succeed well in this country. This is a greatly improved variety, very much earlier, more prolific and resists drouth better than any other kind. This new sort has from five to nine beans of large size and delicate flavor. The plant is of robust, upright growth, entirely different from any ordinary variety of beans. Pods measuring 10 to 12 inches in length are not uncommon and they are broad and of handsome appearance. Plant in rows about 2 feet apart, and 6 inches apart in the row, covering 1½ to 2 inches deep. Top of stalk should be nipped off as soon as plants begin to flower, as this induces earliness. Pkt. 10c, ¼ lb. 15c, 1b. 35c, 3 lbs. 75c, postpaid. By freight, ½ pk. \$1.10, pk. \$2.00.



**BURPEE'S BUSH LIMA CHINESE SAGO BEANS.**—A very small variety from China, which is quite a curiosity. Pkt. 10c, ¼ lb. 20c, 1b. 50c, postpaid.

**SOY BEANS AND COW PEAS** for forage and hay crops are listed on page 56.

## POLE BEANS

Plant from five to six seeds in each hill, about two inches deep; one quart will plant 100 to 150 hills.

**OLD HOMESTEAD.**—Is also known to some of our customers as Kentucky Wonder. Increasing in popularity each year. We recommend it as among the most productive varieties, while for snap beans it is unsurpassed in quality. If you can find any place for pole beans give this variety a trial. It has reached first place on the list solely on its merit as it is enormously productive, pods hanging in great clusters from top to bottom of pole. Entirely stringless; pods of silvery green color. Can be grown with corn to good advantage. Pkt. 5c, ¼ lb. 10c, 1b. 25c, 3 lbs. 65c, postpaid; by express, ½ pk. \$1.00, pk. \$1.75, bu. \$6.50.



OLD HOMESTEAD

west and south, and is of good quality and a good yielder. Pkt. 5c, ¼ lb. 10c, 1b. 25c, 3 lbs. 65c, postpaid. By express, ½ pk. \$1.00, pk. \$1.75, bu. \$6.25.

**GOLDEN CLUSTER WAX.**—Generally considered the best of all wax pole beans. It bears profusely its long, golden yellow pods in clusters of from three to six, from the bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. Pods are seven to eight inches long and three-fourths of an inch in width. They are quite flat but fleshy, absolutely stringless, very brittle and delicious. Crop very small this year and may not be sufficient to supply the demand. Pkt. 5c, ¼ lb. 10c, 1b. 30c, 3 lbs. 75c. By exp., ½ pk. \$1.25, pk. \$2.25, bu. \$8.00.

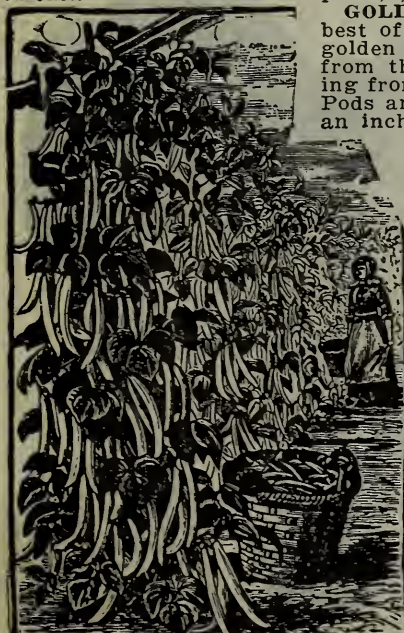
**KING OF THE GARDEN LIMA.**—An improvement on the large White Lima, producing a continuous bloom and fruitage to the end of the season. Pods are of enormous size. Pkt. 5c, ¼ lb. 10c, 1b. 25c, 3 lbs. 70c, postpaid. By express, ½ pk. \$1.10, pk. \$2.00, bu. \$7.00.

**WHITE DUTCH CASE KNIFE.**—Yields an immense crop of handsome flat white beans of excellent flavor. Cooks easily. Pkt. 5c, ¼ lb. 10c, 1b. 25c, 3 lbs. 65c, postpaid. By express, ½ pk. \$1.00, pk. \$1.75, bu. \$6.50.

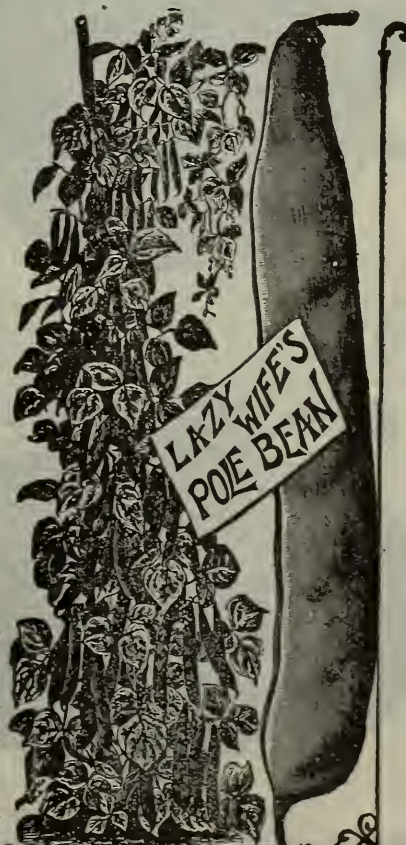
**YARD LONG.**—A great curiosity but withal an excellent variety. Produces pods 18 to 24 inches long. Specimens in our trial grounds last season reached the enormous length of four feet. Splendid for use in green state as the pods are exceedingly tender and of fine flavor. Pkt. 10c, ¼ lb. 25c, 1b. 65c, postpaid.

**SCARLET RUNNER.**—Valuable for table use or as an ornamental vine. Pkt. 5c, ¼ lb. 10c, 1b. 30c, 3 lbs. 75c, postpaid. By express, ½ pk. \$1.25, pk. \$2.00, bu. \$7.00.

**ARABIAN RUNNER.**—Similar to the Scarlet Runner. Flowers white, striped scarlet. Pkt. 5c, ¼ lb. 10c, 1b. 30c, 3 lbs. 75c, postpaid.



GOLDEN CLUSTER WAX



IT ONLY TAKES A LITTLE EXTRA WORK FOR POLE BEANS. THEY YIELD HEAVIER THAN DWARF KINDS

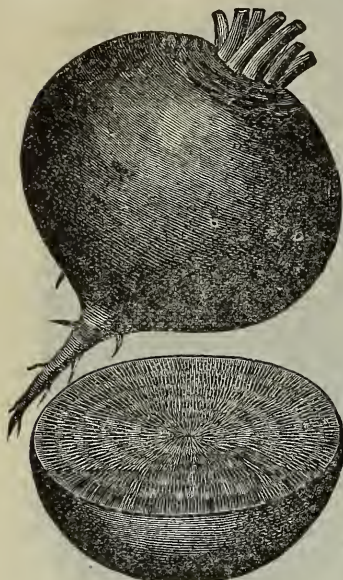


# BEETS

One ounce sows 50 feet of drill; 4 to 6 lbs. for one acre.

For early, sow as soon as ground can be worked, and about the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. Seed will germinate more freely if soaked in warm water twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground. The soil should be a deep, rich loam.

**IMPROVED MARKET GARDENERS.**—Undoubtedly one of the best varieties ever introduced, and receives much praise from our customers each year. As will be noted by engraving, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for the winter. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the best beet for early market, the best beet for winter use. Owing to the small tops permitting them to grow close together, and the popular shape of the bulb, it is

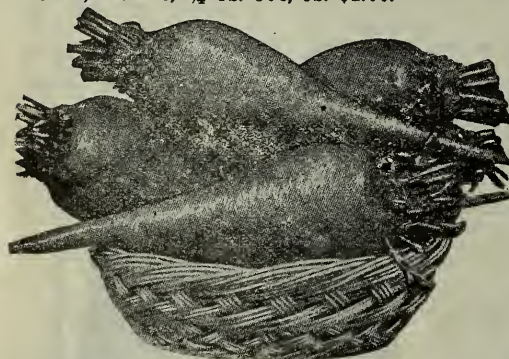


**DETROIT DARK RED.**—One of the best varieties grown for main crop. The roots are round, very smooth, of good marketable size, and for table use no variety can excel it in fine quality. The skin is deep blood red; the flesh is also dark red and is sweet and tender. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

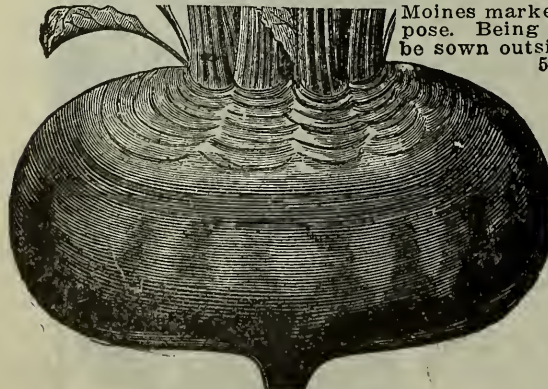
**DEWING'S IMPROVED BLOOD TURNIP.**—Improvement on the old Early Blood Turnip. Globe-shape, deep blood red color, fine flavor, a good seller and generally considered the most desirable variety for main crop and winter use. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**GOLDEN GLOBE.**—A choice European variety fully equal, and by many considered superior to the red sorts in sweetness and flavor, but both the skin and flesh are of bright yellow color. When cut up in a dish with the red beets, they make a handsome contrast. They mature early and are so sweet and nice that they should become popular. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**LONG DARK BLOOD.**—Our stock of this standard sort is greatly improved, smooth, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



**LONG DARK BLOOD**—being thicker, handsomer and more regular in shape, smooth with small tops and small tap root. Takes on its turnip shape and looks well even in early stages of growth. It is preferred for forcing to any other variety, therefore this is a decided advantage for a market where beets are sold in bunches. Very popular with Des Moines market gardeners for this purpose. Being a rapid grower it may be sown outside as late as July. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.



**CROSBY'S IMPROVED EGYPTIAN**

**EARLY CRIMSON GLOBE.**—A very early variety, of spherical form. Skin very smooth and it is as handsome a beet as you can imagine. It is of rich, deep red color, shading to purple. Its flavor cannot be surpassed. When cooked it is of even, dark color throughout, and is attractive when on the table. Of uniform shape and size. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

**ECLIPSE.**—This variety has become exceedingly popular and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform globular shape. The roots are a bright, glossy red, fine grained and delicious. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**MIXED TABLE BEETS.**—Containing several varieties which will mature in succession so that one planting will give a supply all summer. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.

**CROSBY'S IMPROVED EGYPTIAN.**—We believe this to be the earliest variety. Great improvement on the old Egyptian. From our illustration will be noted the thick, broad stalks, as large as rhubarb, which are prepared and served in the same manner as asparagus. The leaves are used for "greens"; considered by many superior to spinach for this use. When grown on rich soil enormous stalks and leaves are produced, exceedingly tender and easily prepared. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**GIANT LUCULLUS CHARD.**—Chard beets are growing in popularity. As two different dishes can be prepared from a single plant its utility is at once apparent. From our illustration will be noted the thick, broad stalks, as large as rhubarb, which are prepared and served in the same manner as asparagus. The leaves are used for "greens"; considered by many superior to spinach for this use. When grown on rich soil enormous stalks and leaves are produced, exceedingly tender and easily prepared. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.



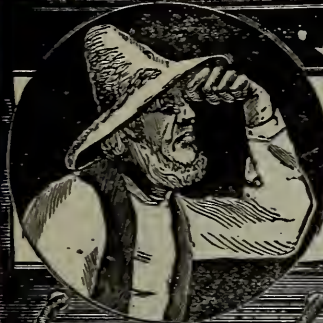
**GIANT LUCULLUS CHARD BEET**

**SWISS CHARD, or Silver Beet.**—The dark green leaved variety. Is superior to common beet for greens. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.





# MANGEL & SUGAR BEETS FOR STOCK.



EXTENSIVELY grown in all parts of the country for feeding stock. Sow in April or May in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer and stockraiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown, and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full directions for culture and storing mangels, will be sent on application. Use five pounds to an acre. Prices quoted by express are not prepaid.

## PRICES

are very much lower than last year, and a good crop of excellent quality



## COLLECTION —OF— MANGELS.

One ounce each of the eight varieties of Mangels and Sugar Beet for 35c. ¼ lb. of each 21.00. lb. of each \$3.75 postpaid, or \$2.65 by express, not prepaid.

A MOST  
VALUABLE  
ACQUISITION

A NOVELTY  
OF STERLING  
MERIT.

GIANT  
HALF

SUGAR  
MANGEL

**MAMMOTH GOLDEN GIANT.**—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow. Remarkably even in shape, rather elongated, of vigorous growth; has a fine neck and very smooth skin; flesh white, firm and sweet; much liked by cattle. It is a most excellent keeper; yields 40 to 60 tons per acre. Oz. 5c, ¼ lb. 15c, lb. 50c. By express, not prepaid, 5 lbs. for \$1.75.



**CHAMPION YELLOW GLOBE.**—The finest type yellow globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained renders it an excellent keeping variety. Well adapted to shallow soils and has a record of producing 100 TONS PER ACRE. This immense crop was grown by sowing seed in drills 14 inches apart and thinning to 10 inches in the row. Our seed of this variety is particularly choice. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. or more at 35c per lb.

**GIANT SLUDSTROP.**—This is a variety of exceptionally even growth, showing careful production of stock seeds for many years. Color is reddish yellow, excellent in shape, which resembles Golden Tankard, and is superior to that popular sort in every way. Contains more sugar, grows larger, more above ground and is therefore easier to harvest. It is the best of all mangels for feeding purposes. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. or more at 35c per lb.

**DIGNITY LONG RED.**—Improvement on the Mammoth Long Red by careful selection for a number of years. Stands head and shoulders above all other varieties of mangels; unexcelled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50 lbs., and will yield 50 tons per acre with ordinary good cultivation and if you want large crops of large mangels of good quality, don't fail to try Dignity. It is very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. at 35c per lb.

**GIANT HALF SUGAR MANGEL.**—A hybrid or cross between the Mammoth Long Red and Sugar Beet, and for our own feeding we have found it superior to either. Being sweeter, both cattle and hogs relish them greatly. Per oz. 5c, ¼ lb. 15c, lb. 50c. By exp., 5 lbs. or more at 35c per lb.

**GOLDEN TANKARD.**—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but this is of a rich, deep yellow throughout. Early, hardy, a heavy cropper, and on account of shape the roots can grow close in rows. Oz. 5c, ¼ lb. 15c, lb. 45c. By express, 5 lbs. or more at 30c per lb.

**KLEIN-WANZLEBEN SUGAR BEET.**—This is the variety which is cultivated for the beet sugar factories, as it usually yields fifteen to twenty per cent of sugar. Root is of shape shown in our illustration, straight, tapering evenly and somewhat screw shape. Our seed is grown in Germany from beets which were tested as to per cent of sugar before setting out. The sugar makes it of great value for feeding. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. at 35c per lb.

**LANE'S IMPERIAL SUGAR BEET.**—An improvement on the White French Sugar Beet, containing about 8 per cent of sugar. Greatly liked for stock feeding. Per oz. 5c, ¼ lb. 15c, lb. 50c. By express, 5 lbs. or more at 35c per lb.

KLEIN WANZLEBEN

CIRCULAR TELLING HOW TO GROW AND STORE MANGELS AND OTHER ROOTS MAILED FREE ON REQUEST



# CABBAGE

One ounce will produce about 3,000 plants. Set 8,000 to 10,000 plants per acre, of early sorts, and 6,000 of large, late kinds.

No vegetable is of greater importance than cabbage, and compared with the cost of seed, there is more money in growing cabbage than any other crop. It does not pay, therefore, to take any risk in buying seed. We have had our cabbage seed grown by the same growers for about sixteen years past, and it has proven of uniformly excellent quality, so that we pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hotbeds in February or March, or in open, shallow drills six inches apart. When the plants are four inches high transplant to rows three feet apart. Our packets contain about 800 seeds. Slug Shot and tobacco dust are used to kill insects and worms.

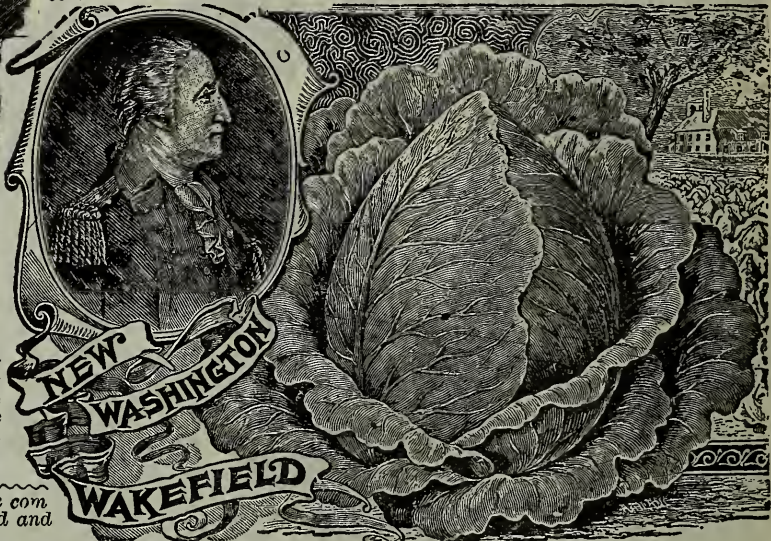


JOHNSON'S FIRST CROP

**JOHNSON'S FIRST CROP.**—Ten days earlier than the earliest Jersey Wakefield. Heads conical, but not quite so pointed as Wakefield. The heads are remarkably large, hard and solid for so early a sort, and it is unsurpassed in quality. Is a strong, vigorous grower, and heads up well, so that there will be very few culls in the crop. You can command the early market if you grow this variety. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

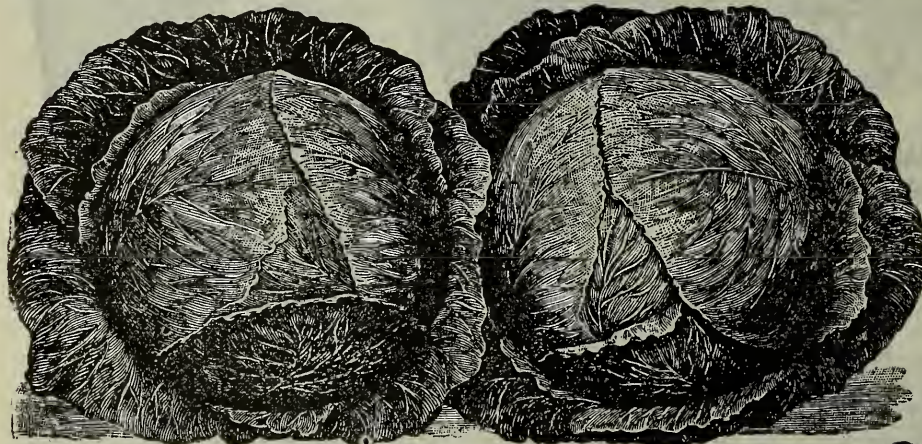
**EXTRA EARLY EXPRESS.**—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

We have used your seeds for many years in Iowa and since coming to Colorado we still want them—we find no other as good and pure.—Mrs. Malinda Fox, Pueblo, Colo.



**EARLY JERSEY WAKEFIELD.**—Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is highest quality, American grown. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**NEW WASHINGTON WAKEFIELD.**—A grand variety, a trifle later than Jersey Wakefield; produces much larger heads, of perfect pyramidal shape, very solid, with few outside leaves. One cabbage grower, who is enthusiastic in its praise, says: "It is first in head, first in market, and first in the hearts of gardeners." It grows remarkably uniform, heads are of even size and shape. Unequaled for market or family garden. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.



COPENHAGEN MARKET

**COPENHAGEN MARKET.**—A splendid new early flat head cabbage. Matures almost as early as Jersey Wakefield, averages 10 lbs. in weight, has few leaves and is remarkably hard and solid. Grows compact, takes but little room and matures with a short stem. Has proven its excellence in three year trials and we recommend it without reservation. It is a carefully bred variety from Denmark and the type and quality are thoroughly fixed. Offered in our Quality Vegetable Collection on outside cover page of the catalogue. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**BURPEE'S ALL-HEAD EARLY.**—This is the earliest of the flat-headed cabbages, of larger size than early varieties generally, of perfect shape and makes exceptionally solid heads. It was originated by the late C. L. Allen, of Long Island, N. Y., but named by Mr. Burpee, who purchased the first crop and gave it his name. Our seed is grown from the original stock by Mr. Allen's son, who continues the business, so that we have as good stock as can be purchased. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.00.

**HENDERSON'S SUCCESSION.**—An excellent variety of large size and with flat head maturing in midsummer. It can be brought to perfection in the hottest weather or used as an autumn or winter crop. Heads 10 or 12 inches in diameter, frequently larger, average about 12 lbs. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**ALL SEASONS.**—(Vandergaw.)—This excellent sort is early, maturing a week or ten days after All Head Early; makes larger and harder heads than that sort, averaging ten to fifteen pounds in weight. Truly an all-seasons variety, fine for summer market and heads are so large, thick and solid that it is excellent for keeping through the winter. If desired for winter plant later than for extra early market. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.



HENDERSON'S SUCCESSION

YOU CANNOT FAIL TO HAVE GOOD CROPS IF YOU PLANT OUR CABBAGE SEED



## CABBAGE===Continued

**SUREHEAD.**—This popular cabbage is rightly named Surehead and never fails to make a remarkably fine, solid, large head with few outer leaves. Strong, vigorous grower; ripens late. First-class main crop sort. Is of the Flat Dutch type but heads are somewhat rounded in form. Equal to that well known sort in keeping qualities. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**PREMIUM FLAT DUTCH.**—This old and well-known variety is still the standard winter kind. Heads large, solid and first-class keeper. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**VOLGA.**—For uniformity in growth, shape of head and hardness we have never seen its equal in a large heading variety. Plant is nearly all head, having few outside leaves.



VOLGA.

**IMPROVED DANISH BALLHEAD, or Hollander.**—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris, and other cities. Heads round, good sized, solid and very fine grained. Has but few outer leaves. A good keeper, tender and crisp, with but little waste heart. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**WINNINGSTADT.**—This is a cone-shaped summer sort which can also be used for winter keeping if it is planted late. It is a sure header, solid and of excellent quality, and is generally preferred among cone-shaped sorts for general crop. Has been a standard variety for many years. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

### OUR GOLDEN ANNIVERSARY

In 1914 we celebrate the 50th year of our house. We want to hear from our old friends. Write us a letter about your success with our stocks.

Every package of seed I got from you was A No. 1 in every respect. I raised the finest vegetables I ever raised in my life. The Washington Wakefield and Short Stem Drumhead cabbages are a pair that is hard to beat.—Sam J. Miller, Louisa County, Iowa.

We have been buying seeds of you for about eight years and have never had a failure.—G. W. Herbert, Champaign County, Ill.

Use Slug Shot for  
Cabbage Worms  
See Insecticide Dept

### RED AND SAVOY CABBAGE

**MAMMOTH RED ROCK.**—Market gardening strain of unusual size, weight, color. Its large size, solidity and good quality make it a very desirable red cabbage. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

**ZENITH RED.**—Medium early, medium size; handsome dark red color, by far most attractive red sort. Its small ribs and thin leaves very close together make it extra solid. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

**PERFECTION DRUMHEAD SAVOY.**—The Savoy cabbages have curled leaves and are of finer flavor and quality than the ordinary kinds. Our strain is a sure header and heads are large and solid. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb.

ZENITH RED. 60c, lb. \$2.00.

PERFECTION DRUMHEAD SAVOY.



SUREHEAD

**IOWA SEED CO.'S SHORT-STEM DRUMHEAD.**—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past ten years, and so greatly has it improved during the time that we have had it that in a large field it is almost impossible to find a head that is not solid and well formed. For sureness in heading, regularity of growth, and even, large, solid heads, it far surpasses any other strain of late cabbage, ripening evenly, with very short stem or stalk, and large, thick heads of silky fine quality of best keeping properties. Almost all head and always sure to head. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

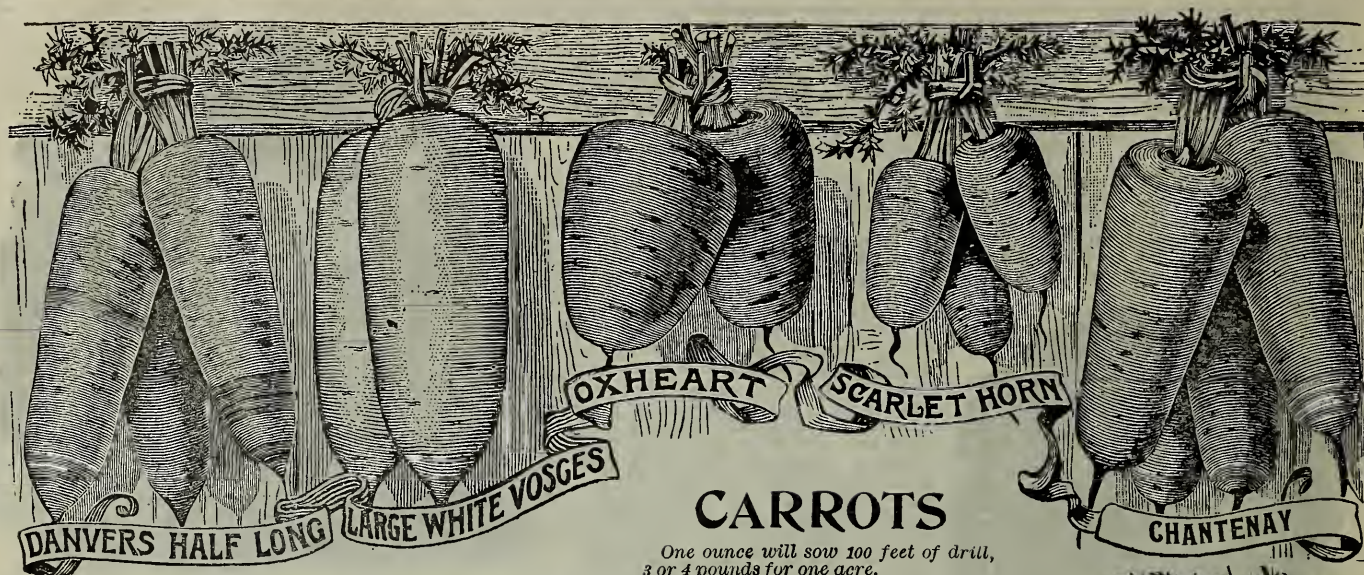


### OUR AMERICAN GROWN CABBAGE

Is not surpassed by any in the world. It has given satisfaction to our customers for many years.







## CARROTS

One ounce will sow 100 feet of drill,  
3 or 4 pounds for one acre.

One indispensable root for the farm, deserving of more general cultivation. Well managed, no crop pays better, and most farmers would find an acre or so desirable. A nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early, sow in the spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches apart in row. For field culture rows should be of sufficient distance to admit use of a horse cultivator; sow seed from middle of April to first of June. A light, sandy loam, deeply tilled, is best; seed is slow to germinate; use care to firm soil after sowing. Average 800 to 1,000 bushels per acre.

**EARLY SCARLET HORN.**—Favorite extra early variety. Very early. Orange-scarlet, fine grained, and agreeable flavor. Top small, short, stump-shaped root; grows well in shallow soil. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**OXHEART, or Guerande.**—Most valuable variety in existence. Intermediate between Half-Long and Horn sorts; diameter 3 to 4 inches at neck; beautiful shape; rich orange color. Easily pulled, early as any, best quality all season. Fine for stock; has yielded 1,200 bu. per acre. Cut tops with scythe; pull with potato hooks. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.10.

**CHANTENAY.**—The most desirable early variety for bunching and, although a trifle later than the first earlies, still will yield so much handsomer roots and larger crop that everyone is pleased with it. A splendid variety for either market or feeding purposes. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.10.

**DANVERS.**—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. It is of a rich, dark orange color, grows to a large size, is smooth and the flesh very close texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with smallest length of root of any grown. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**IMPROVED LONG ORANGE.**—Desirable for garden or field. Grows to large size, averaging 12 inches in length and 3 inches in diameter at the top. This is the standard long variety, preferred to Victoria by some because of its deeper orange color. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**LARGE WHITE VOSGES, or Improved Short White.**—A stock variety which is enormously productive and easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 90c.

**VICTORIA.**—Largest carrot grown, heaviest cropping and most nutritious variety cultivated; roots remarkably fine, light orange, symmetrical, excellent quality, of high feeding properties; good keeper; heavy cropper on all soils; best adapted for rich land; grows half as much weight again per acre as ordinary sorts; grows well out of ground; easily harvested. All who have cattle should raise a quantity of carrots for feeding milch cows in winter. It increases the flow of milk and gives to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in health and condition. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 90c.

## STOCK FOOD COLLECTION

### BETTER THAN CONDITION POWDERS OR STOCK MEDICINES

The live stock thrive better and keep in the best condition when they have a diversified ration, of green pasture and vegetables in addition to their regular grain feed. We offer you in this collection rape for summer pasture and pumpkins and roots for fall and winter feeding when the pastures are gone. We give you enough seed to produce vegetable feed for 25 to 30 animals during the entire season and we believe it will prove a most profitable investment to any farmer who keeps live stock.

The list includes:

4 lbs. Dwarf Essex Rape (1 acre for pasture).

1 lb. Big Tom Pumpkin (4 acres in the corn).

2 lbs. Giant Sludstrop Mangel ( $\frac{1}{2}$  acre).

$\frac{1}{2}$  lb. Victoria Carrots ( $\frac{1}{4}$  acre).

$\frac{1}{2}$  lb. Golden Ball Turnip ( $\frac{1}{2}$  acre).

PREPAID, ANY

ADDRESS, \$2.50.

By express, not

prepaid, only \$1.75.



THERE IS NOT ENOUGH ATTENTION PAID TO ROOT CROPS BY LIVE STOCK RAISERS



# CAULIFLOWER

(One ounce will produce about 3,000 plants.)

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are quite similar. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As flower heads appear the large leaves should be broken down over them to shield them from the sun and rain.

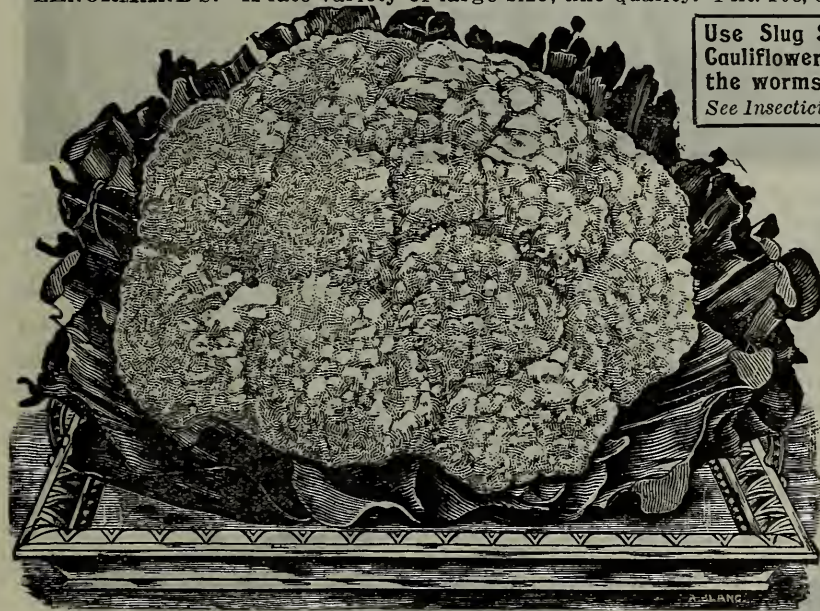
**DANISH GIANT.**—Has become a strong competitor for first place. Originated in same locality in Denmark which produced Snowball. Heads extra large, pure white and very solid. Has large leaves which protect the head. About ten days later than Snowball, but has proven more desirable for growing in open ground and does well dry seasons when other varieties show failure, keeping plump and fresh during the hottest, driest weather. One grower, probably the largest grower of cauliflower in the country (having crop of 90 acres), tested Danish Giant and placed his entire order for this variety. Our seed is obtained direct from the best cauliflower growers in Denmark, the home of the cauliflower, and our customers will be especially pleased with it. Pkt. 15c,  $\frac{1}{4}$  oz. 65c, oz. \$2.25.

**HENDERSON'S EARLY SNOWBALL.**—Considered throughout the country the earliest of all cauliflowers, and more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice, and cannot be excelled. It is grown where this variety originated by a grower we believe to be the best in the world. Pkt. 15c,  $\frac{1}{4}$  oz. 65c, oz. \$2.25.

**EXTRA EARLY DWARF ERFURT.**—Is valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Pkt. 10c,  $\frac{1}{4}$  oz. 50c, oz. \$1.75.

**EARLY PARIS.**—Well known small sort which is usually quite satisfactory. Price is so low this year that all can try this excellent vegetable. Pkt. 5c, oz. 50c.

**LENORMAND'S.**—A late variety of large size; fine quality. Pkt. 10c, oz. 60c.



HENDERSON'S SNOWBALL CAULIFLOWER.

Use Slug Shot on  
Cauliflower to kill  
the worms.

See Insecticide Dept.



DANISH GIANT CAULIFLOWER.

## CRESS, or PEPPER GRASS

**EARLY CURLED.**—Well-known salad. Sow at intervals all season. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c.

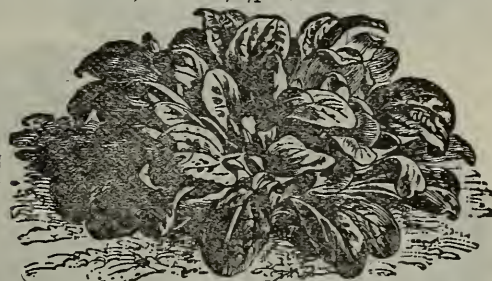
**TRUE WATER.**—Sow seeds along the border of running water. Pkt. 10c, oz. 35c.

**UPLAND CRESS.**—A perennial variety; hardy, produces well; same flavor as Water Cress. Grown on high, dry land; does not run to seed rapidly. Pkt. 10c, oz. 25c.

## CORN SALAD

(One ounce will sow about 20 square feet.)

A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c.



CORN SALAD.

## CHUFAS

A nice little ground nut greatly liked by children. In flavor resembles the cocoanut. Very prolific, a single one yielding 200 to 400 nuts growing just under ground and easily reached by pigs and poultry if they have access. Grow best in light, sandy soil, well fertilized. Plant in April, 10 in. apart in 2  $\frac{1}{2}$  ft. rows. Cover lightly. Soak seed before planting if very dry. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.



CHUFAS

## COLLARDS

(One oz. will produce about 3,000 plants.)

Collards are largely used as "greens" in some parts of the country, especially south. They are a form of loose-headed cabbage.

**GEORGIA.**—The most satisfactory for general use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



CURLED CHERVIL,  
CHERVIL

(An ounce will sow 100 feet of drill.) Leaves used in soups and salads. They have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c.

## CHICORY

**LARGE ROOTED.**—Used as a substitute for coffee. Cultivate the same as carrots. Take up roots in the fall, cut in small pieces and let dry. When wanted for use it is roasted and ground like coffee. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**WITLOOF.**—A delicious winter vegetable which is really a variety of Chicory, but is sometimes called French Endive. It makes one of the finest of all salads and is also excellent boiled. Plant seed in May or June in open ground and in the fall dig the roots and plant them in earth in a dark, cool place in the cellar or under greenhouse bench. By planting deeply in loose soil a more solid head is produced which is very fine. Pkt. 10c, oz. 30c.

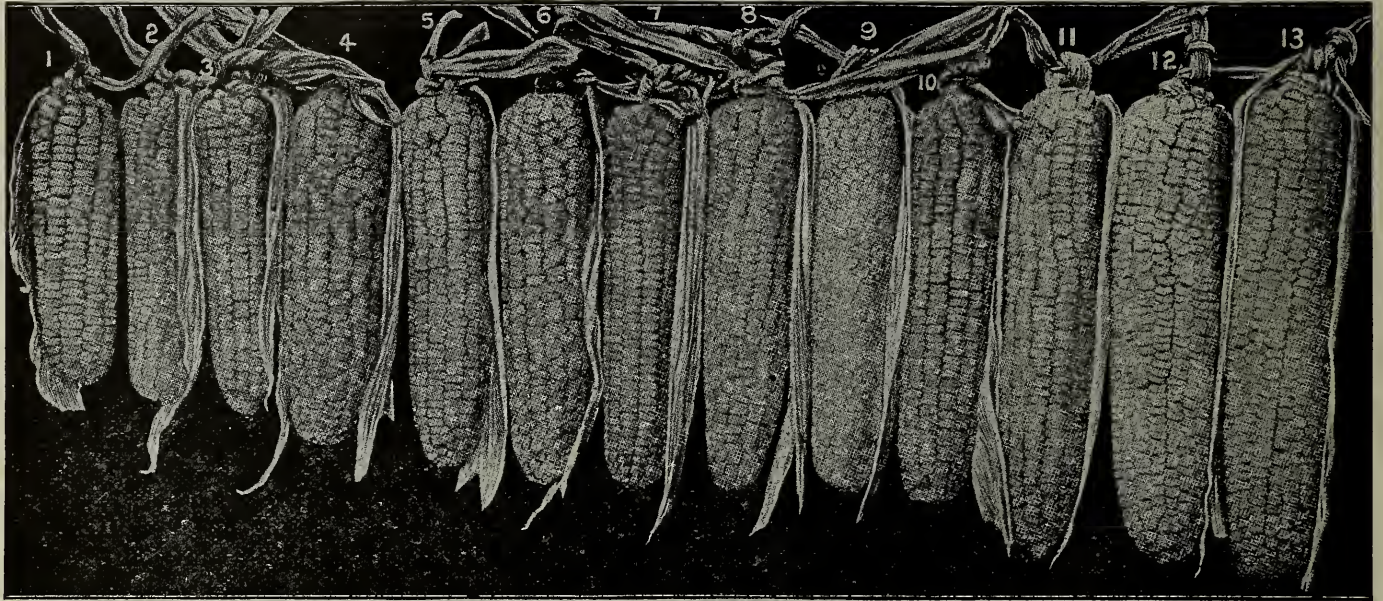


WITLOOF



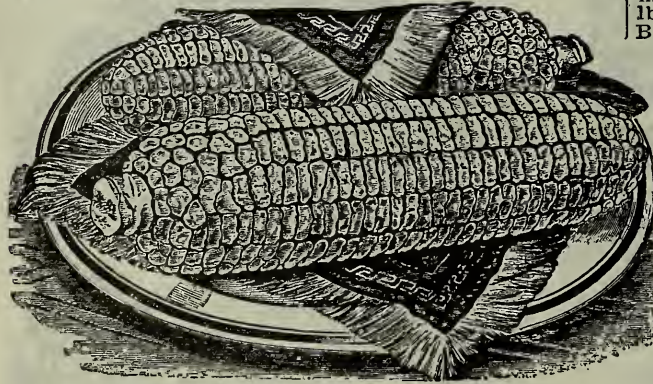
# SWEET CORN

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart, five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being selected for seed. It costs us more and is far superior to ordinary stock. Packets contain about two ounces. We pay the postage by the packet or pound. Deduct ten cents on each pound if to be sent by express. Quantities of one-half peck or more go by express or freight at customer's cost for transportation.



**GOVERNOR GILMAN.**—Our new variety of such exceptional sweetness that in our judgment it surpasses any variety of sweet corn now offered. Description and illustration in colors on outside cover page of this catalogue. We urge you to try it. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 35c, 3 lbs. \$1, postpaid. By expr.,  $\frac{1}{2}$  pk. \$1.25, pk. \$2.

**IMPROVED GOLDEN BANTAM.**—(See cut No. 1.)—This handsome new variety is one of the most delicious of all and generally believed to be richest in flavor. Extremely early, of hardy, vigorous growth, so that it can be planted quite early. The stalks grow only about four feet high, but bear two or three good ears five or six inches long, of handsome golden yellow color. In flavor quite distinct from the white sorts and some have called it sweet as honey. Give it a trial. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 30c, 3 lbs. 75c. By express,  $\frac{1}{2}$  pk. 85c, pk. \$1.50, bu. (50 lbs.) \$5.00.



EARLY SUNRISE.

**EARLY SUNRISE.**—(No. 3.)—This is a splendid new variety which we introduced. It is undoubtedly the best extra early corn for either private gardens or the public market. The ears are about six inches long, well filled out at the end and husk covering so completely and being so tight as to prevent working of worms, which are so bad in Cory. Grains fairly deep and set in straight rows on small white cob; very uniform and handsome. Market gardeners will find Early Sunrise a most profitable and satisfactory sort. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express,  $\frac{1}{2}$  pk. 85c, pk. \$1.50, bu. (50 lbs.) \$5.00.

*The Maine State Bulletin, No. 27, states that the Early Sunrise was as early as any variety in their long list and much larger and better than Cory; in quality equal to most of the later varieties and the most prolific of all. They say it is worthy of special mention. Try it this year.*

**PEEP O'DAY.**—(No. 2.)—Of Minnesota origin, 5 to 7 days earlier than other kinds. Ear 5 inches long, of perfect form, and well filled. The corn is tender and sweet. On our place it matured with Early Sunrise and is similar to it in many respects. You will make no mistake in planting some of it for first early. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express,  $\frac{1}{2}$  pk. 70c, pk. \$1.25, bu. (50 lbs.) \$4.50.

**EXTRA EARLY ADAMS.**—(No. 4.)—This is not a true sweet corn but produces ears well filled with tender white grains. Very early and on account of its hardness and hard, round grain can be planted much earlier than sweet corn. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 60c, postpaid. By expr.,  $\frac{1}{2}$  pk. 65c, pk. \$1.10, bu. (50 lbs.) \$4.00.

**WHITE MEXICAN.**—(No. 5.)—Do you know the marvelous sweetness of the old Black Mexican? You like its taste but dislike its color. This is finer in every way, superior in sweetness, a pure ivory white color, large as the Minnesota and earlier. It matures in 55 days. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 60c, postpaid. By express,  $\frac{1}{2}$  pk. 70c, pk. \$1.25,



CHAMPION EARLY.

**CHAMPION EARLY.**—(No. 6.)—Earliest large corn ever introduced, maturing only a few days later than the small-eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pure white kernels with medium white cob, very sweet and tender, usually producing two ears to the stalk. Unsurpassed for market gardening or family garden owing to its large size and fine appearance. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express,  $\frac{1}{2}$  pk. 70c, pk. \$1.25, bu. (50 lbs.) \$4.50.

**EARLY MINNESOTA.**—(No. 7.)—A standard variety. Has held its position in the list for a long period of years as a dependable sort. The ears are of good size and well flavored. Valuable for either private or market use. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, 3 lbs. 65c, postpaid. By express,  $\frac{1}{2}$  pk. 75c, pk. \$1.25, bu. (50 lbs.) \$4.25.

**EXTRA EARLY CORY.**—(White Cob.)—This was for years the most popular variety with market gardeners for first early until the introduction of Early Sunrise. Dwarf growth and yields well; ears medium size. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express,  $\frac{1}{2}$  pk. 70c, pk. \$1.25, bu. (50 lbs.) \$4.25.

NOTE THE NEW VARIETY OF SWEET CORN ILLUSTRATED IN COLORS ON BACK COVER PAGE



## SWEET CORN===Continued

**CROSBY'S EARLY.**—(See Cut No. 8.)—For medium early use and general crop is one of the most desirable sorts. Ears of medium size and cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express, ½ pk. 75c, pk. \$1.25, bu. (50 lbs.) \$4.25.

**COUNTRY GENTLEMAN.**—(No. 9.)—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; 3 to 5 ears to a stalk. In this, coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is small, giving great depth to kernels which are pearly white, and we cannot say too often—surprisingly sweet and tender. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express, ½ pk. 85c, pk. \$1.50, bu. (50 lbs.) \$5.00.

**BLACK MEXICAN.**—(No. 10.)—Although the ripe grain is black, or bluish black, the corn when in condition for table cooks remarkably and is surpassed by none in tenderness. This, by many, is considered the most desirable for family use of the second early sorts. Withstands hot, dry weather. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express, ½ pk. 85c, pk. \$1.50, bu. (50 lbs.) \$5.00.

**PHARAOH'S DREAM.** (No. 11.)—"And Pharaoh slept and dreamed \* \* \* and behold seven ears of corn came up, upon one stalk, rank and good."—Genesis 41:5. Is the most productive variety of sweet corn ever sent out. This new variety was bred by one of the best seed corn specialists in the country and does not come from an accidental sport, but was gradually worked up from a cross made of two well-known sorts and selected for a number of years, until it has attained its high value. Owing to the fact that it so frequently produces seven ears to the stalk it has been aptly named "Pharaoh's Dream." The corn begins earing almost from the bottom and produces quite long ear stalks from each leaf joint. Ears are of large size, but not overgrown; just right for table use and would be taken for Stowell's Evergreen in almost any market. Corn is pure white, tender and of rich, delicate flavor, remaining a long time in an edible condition. Ears form in succession and make a constant supply all through the season. Is the greatest novelty ever sent out. Produces better when only one or two grains are planted in a hill. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By frt., ½ pk. 85c, pk. \$1.50, bu. (50 lbs.) \$5.00.

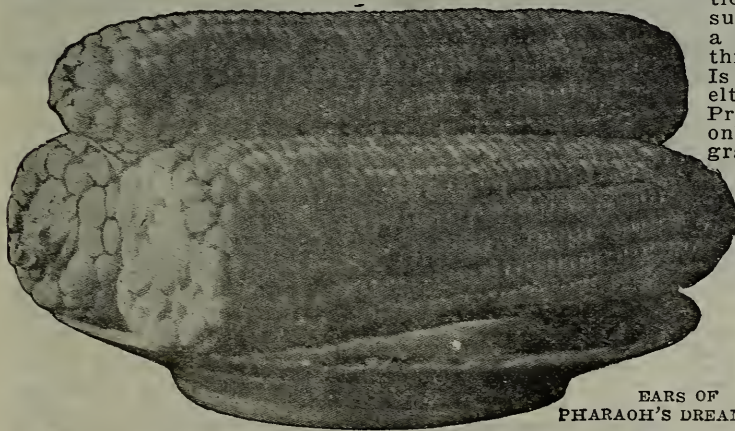


EARS OF PHARAOH'S DREAM



COUNTRY GENTLEMAN

each leaf joint. Ears are of large size, but not overgrown; just right for table use and would be taken for Stowell's Evergreen in almost any market. Corn is pure white, tender and of rich, delicate flavor, remaining a long time in an edible condition.



**IMPROVED STOWELL'S EVERGREEN.**—(No. 12.)—For many years this corn has been the most prominent main crop sort and more largely planted than any other, being a general favorite with canners and market gardeners for late use. We have been selecting this for a number of years to improve it for family use. The ears are medium to large size and our illustration was made by combining the picture of the lower part of an ear in fit condition for table use with part of an ear of dry seed corn. The grains are deep, exceptionally tender and remain a long time in an edible condition. The dried kernels are shriveled so much that they readily show its unusual sweetness. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 65c, postpaid. By express, ½ pk. 70c, pk. \$1.25, bu. (50 lbs.) \$4.50.

**MAMMOTH SUGAR.**—(No. 13.)—This produces the largest ear of any sweet corn, a single ear sometimes weighing 2 or 3 lbs.; sweet and luscious. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 75c, postpaid. By express, ½ pk. 80c, pk. \$1.50, bu. (50 lbs.) \$5.00.

**EVERGREEN SWEET FODDER.**—Particularly selected because it produces great stalk and leaf growth, lots of ears, and is ready in July when pastures are short. Worth double the cost. See page 49. Lb. 20c, 3 lbs. 50c, postpaid. By express, not prepaid, ½ pk. 35c, pk. 65c, bu. (50 lbs.) \$2.25.



IMPROVED STOWELL'S EVERGREEN

## EVERGREEN COLLECTION OF FORAGE AND FODDER PLANTS

To furnish green feed for the live stock during the summer months when pastures are dry, and fodder in winter when roughness is wanted. The rape, if sown in June, will make pasture from July until frost, when the grass is dormant. The sweet fodder corn will be ready to cut and feed from July to September. The Millet, Teosinte and Pencillaria are ready when the corn is used, and the Cane will make excellent rough forage for winter use.

40 lbs. Evergreen Sweet Fodder Corn, 6 lbs. Dwarf Essex Rape, 25 lbs. German Millet, 1 lb. Teosinte, 2 lbs. Pencillaria, 25 lbs. Amber Cane.

One hundred pounds of seed will plant 3 or 9 acres and furnish tons of good feed for the stock. SENT BY FREIGHT, NOT PREPAID, FOR \$4.92.

YOU CAN HELP OUT A SHORTAGE OF PASTURES AND MEADOWS WITH THIS EVERGREEN COLLECTION



# CELERY.

One ounce will produce  
about 6,000 plants.

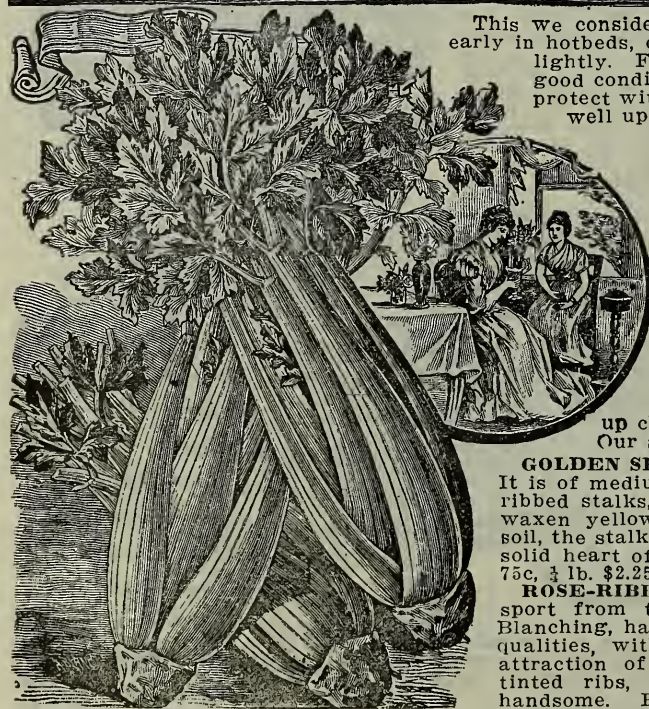


This we consider one of the luxuries of the garden. For first crop sow seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering seed very lightly. For main crop sow in open ground in April or soon as soil is in good condition. Seed germinates slowly and if the weather is hot and dry protect with light covering of hay or straw. Stir soil as soon as plants are well up; thin out and transplant so that they stand about an inch apart in the row. If they grow too rapidly, shear the tops off when about 4 or 5 inches high and this will make them more stocky. For main crop set plants out between June 15th and July 15th, in rows 3 feet apart and plants 6 inches apart in the row. Care should be taken to firm the earth well around plants when setting and they will root better. Keep clear of weeds until about the middle of August when it will be time to begin earthing up. Draw the soil up against plants with a hoe as closely as possible, firming it enough to keep plants in an upright position. Later in the season the blanching process must be finished by digging soil from between rows and banking clear to the tops on each side of the row of celery. Much labor is saved by growing the self-blanching varieties. They are easier to grow but do not do quite so well.

**WHITE PLUME.**—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with soft twine. More used than any other by gardeners. Our seed highest quality. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**GOLDEN SELF-BLANCHING.**—By far the most popular sort on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks, which blanch easily to a clear waxen yellow. When grown in rich, moist soil, the stalks are numerous and large with a solid heart of beautiful yellow. Pkt. 10c, oz. 75c,  $\frac{1}{4}$  lb. \$2.25, lb. \$7.50.

**ROSE-RIBBED SELF-BLANCHING.**—Is a sport from the Golden Self-Blanching, having all its good qualities, with the additional attraction of beautiful rose tinted ribs, making it very handsome. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

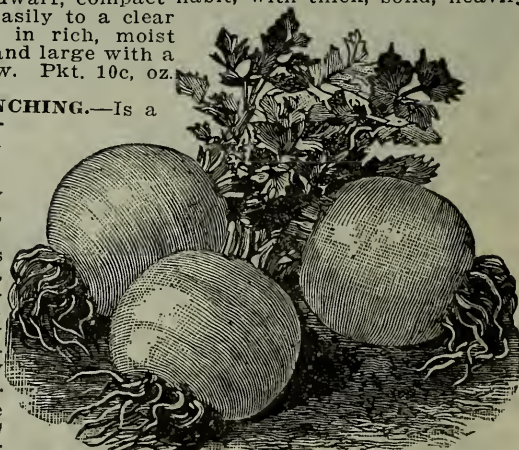


WINTER QUEEN.

**GIANT PASCAL.**—A selection from the Golden Self-Blanching, and adds to the quality of its parent superior keeping qualities. Stalks very large, solid, crisp and of a rich, nutty flavor. Blanches very easily and quickly. Heart is golden yellow, very attractive. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**WINTER QUEEN.**—Finest dwarf celery. Rich green coloring, readily blanched; ready for use in fall, and is specially adapted for winter storage, as it will keep in good condition until May. Large bunches of heavy stalks of even length; best table quality. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25.

**GIANT PRAGUE CELERIAC.**—Instead of producing long leaf stalks like ordinary celery it has a turnip-like root with the true celery flavor and is greatly liked by all who have tried it. Giant Prague is the largest, smoothest and best sort. Excellent for salads and flavoring. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.



GIANT PRAGUE CELERIAC

CELERY SEED FOR FLAVORING PURPOSES. WILL NOT GERMINATE. OZ. 5c, 1-4 LB. 15c, LB. 40c





EARLY EXPRESS.

**EARLY EXPRESS.**—We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy. It is by all odds the earliest variety in existence. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**IOWA STANDARD.**—The handsomest of long green varieties. Color is beautiful dark green, and they do not turn yellow with age. Fruits measure 12 to 15 inches in length and are smooth and symmetrical. Flesh is firm, crisp, white, and the flavor is most excellent. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**IMPROVED CHICAGO PICKLE.**—Variety which originated with a leading pickle grower near Chicago; is considered the best variety there; very prolific; matures early; produces immense number of desirable shaped pickles. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

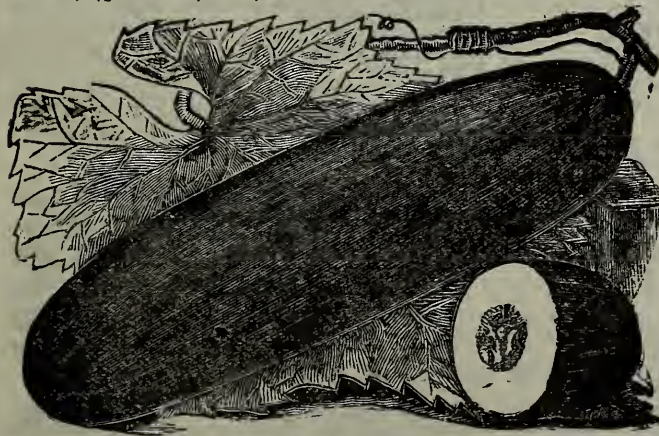
**EARLY CLUSTER.**—Slim form. Extra prolific, frequently setting in clusters of two and three. Fine for small pickles. If fruit is kept gathered, the vines will continue in bearing. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**GREEN PROLIFIC.**—One of the best pickling varieties; dark green, tender, crisp; very productive, of fine flavor and good for table use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**LEMON.**—As will be noticed from our illustration, it is round and about the size of a baseball. Fruits produced in great profusion. Used for slicing or sweet pickling as any ordinary variety of cucumber, but have a flavor peculiarly their own, superior to any, being crisp and tender and having none of the bitter or acrid taste sometimes found in other cucumbers. Of best quality when the fruit begins turning yellow. Desirable for use as mangoes. Will be liked by all who try it. Pkt. 10c, oz. 25c.

**ASTRO.**—For growing in hotbeds. It yields a continual picking and sells easily at \$1.00 per dozen. Fruit large, perfect shape, 12 to 18 inches long, of very best quality for slicing. Has few seeds. Pkt. 15c, oz. \$1.

**JAPANESE CLIMBING.**—The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils enabling it to climb trellis, wire netting, brush or any other suitable support. Large size, cylindrical, flesh pure white, skin dark green, turning to brown and netted when ripe; fine for slicing. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.



EMERALD

the table, nearly as early as shorter sorts. Produces very fine, firm fruit about 12 inches long. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**ROLLISON'S TELEGRAPH.**—An English forcing variety bearing fruits 14 to 16 inches long. Dark green, smooth, and of perfect shape. Much used and greatly liked by market gardeners for hotbed and greenhouse growing in winter and early spring. Pkt. 15c, oz. \$1.00.

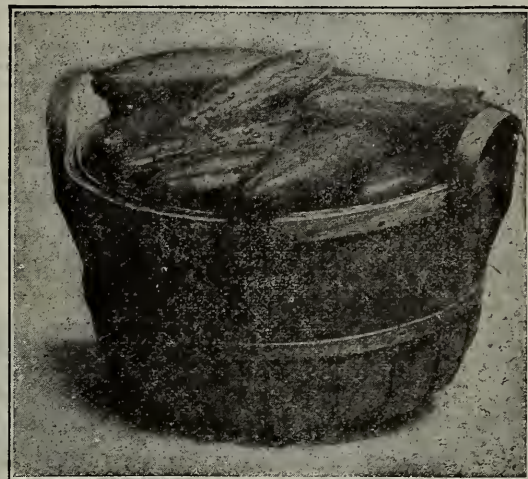
**WEST INDIA GHERKIN, or Burr.**—Makes a handsome pickle of first-class quality. Try it. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c.

**SNAKE.**—The cucumbers grow curled up like a snake with the head protruding, and some are six feet in length. Are grown chiefly as a curiosity and for exhibition. In pkts. only. Per pkt. 10c.

## CUCUMBER

(One ounce will plant 50 hills, two pounds will plant one acre.)

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past thin to four strong plants in a hill. For pickling, plant in June. Sprinkle vines with plaster or air-slaked lime, or use Slug Shot, to protect them from bugs.



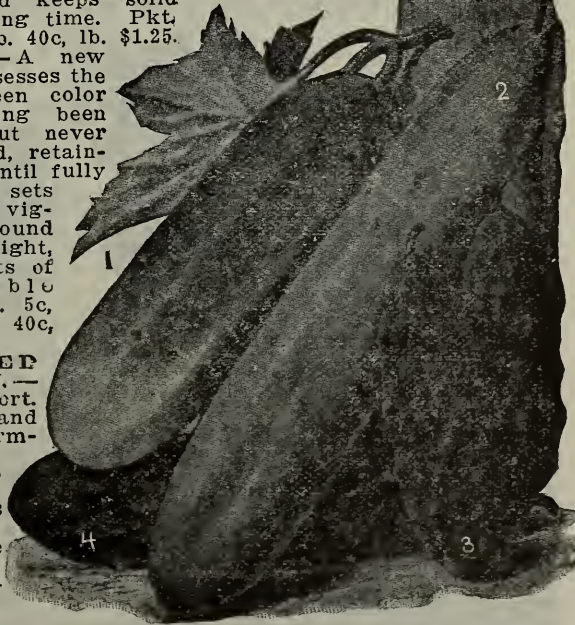
DAVIS PERFECT.

**DAVIS PERFECT.**—A grand new variety. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 in. They hold color till nearly ripe when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**PERFECT WHITE SPINE.**—This improved strain is pronounced by good judges superior to all others. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it productive and keeps solid and crisp a long time. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**EMERALD.**—A new sort which possesses the rich dark green color which has long been sought for but never before obtained, retaining its color until fully ripe. Its fruit sets early and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**IMPROVED LONG GREEN.**—A standard sort. Vine vigorous and productive, forming fruit for



NO. 1—PERFECT WHITE SPINE. NO. 2—IMPROVED LONG GREEN. NO. 3—IMPROVED CHICAGO PICKLE.

**SLUG SHOT WILL KEEP THE CUCUMBER VINES FREE FROM BUGS. LISTED AMONG INSECTICIDES**



## CURIOUS VEGETABLES

**ORNAMENTAL MICE.**—This vegetable curiosity is a native of Central Africa, having a small, neat growing vine and bears numerous oval fruits, clear green in color, which are always completely covered with long, light green spines or hairs. Nice for pickling. Pkt. 10c.

**CATERPILLARS.**—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities and sometimes are put into salads and pickles. Pkt. 10c.

**SNAILS.**—Another singular variety having most oddly twisted seed pods resembling snails. Pkt. 10c.

**COTTON.**—Grown mainly as a curiosity in the north. Start the seed early in the house and transplant to the field as soon as warm weather arrives. It makes an ornamental plant in the flower bed and has showy, large flowers, followed by the boll of pure white cotton which interests everyone. Pkt. 5c, oz. 10c.

**CARDOON.**—A plant grown for its large, thick leaves. Blanched and used like asparagus. Pkt. 10c.

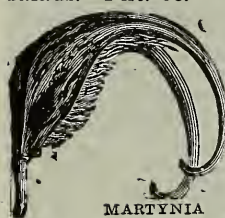
**CHINESE TEA.**—Many of our customers will be glad to grow this as a curiosity, if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blooms; requires same treatment as any tender shrub. Can be kept growing in pots through winter. Pkt. 10c.

**EGYPTIAN LENTILS.**—Largely used in Oriental countries as a principal article of diet. It was from

these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**ALPINE STRAWBERRIES.**—If sown early, will produce bearing plants the first year. Grown in Europe, where they are ever-bearing, producing all summer. Pkt. 10c.

**FRENCH SORREL.**—Grown for and used as "greens." Has large light green leaves with mild acid flavor. Fine for salads. Pkt. 5c.



MARTYNIA

**MARTYNIA.**—Also called "Devil's Claw" and "Unicorn Plant." A large ornamental plant, bearing beautiful flowers which are succeeded by large seed pods which when young are fine for pickling. Pkt. 5c, oz. 30c.

**SEA KALE.**—Is grown and used like Chard Beets, except that it is perennial and when established can remain for years without renewal. Pkt. 5c, oz. 30c.

**SCOLYMUS.**—Grown for the roots, which are used like salsify. Roots often 10 to 12 in. long. Can be dug and stored for winter. Pkt. 10c.

**SESAME.**—The Arabian plant producing bean-like seeds from which a valuable edible oil is pressed. Leaves are very good for medicine, being used for dysentery in children. Pkt. 5c, oz. 15c.

**WONDERBERRY.**—A variety of Solanum largely advertised. We offer it as a novelty but do not recommend it. It is different from our Garden Huckleberry, which we do not think it equals either in productiveness or edible value. The fruits are about as large as dried peas, blue black in color, with a peculiar flavor relished by some. Pkt. 10c.



GIANT FRINGED ENDIVE.

### ENDIVE

(One ounce will sow about 60 sq. ft.)

Preferred to lettuce by those who have tried it. Should be more largely used. One of the best and most wholesome salads for fall and winter use. Sow seed in April for early use or in June or July for winter use. When leaves are 8 inches long tie together with a string near top to blanch.

**GREEN CURLED.**—Has finely cut leaves and makes a handsome plant. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**GIANT FRINGED.**—Also called winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart, and the leaves are beautifully curled, and of best quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.



ALPINE STRAWBERRY

### COLLECTION

#### OF ODD VEGETABLES.

Persons exhibiting at fairs should grow some of the curiosities of the vegetable family to help make attractive showing. Try and have something different from your neighbors.

Any of the following 10c per pkt.: Cardoon, Scolymus, Ornamental Mice, Caterpillars, Snails, Yard Long Beans and Mixed Peppers.

Any of the following at 5c per pkt.: Martynia, French Sorrel, Sea Kale, Ground Cherry, Chufas, Sesame, Brussels's Sprouts, Swiss Chard, Endive, Okra, Vegetable Marrow, Kohl Rabi, Garden Lemon, Vine Peach, Pomegranate, Mixed Gourds and Cotton. The entire collection of 24 pkts., \$1.00.

## GOURDS

Cultivate like cucumbers; may be trained over lattice work, fences, etc.

**JAPANESE NEST EGG.**—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best of nest eggs, as they do not crack. The largest ones, when sawed in two, make excellent pots for starting tomato, strawberry and other plants. Pkt. 5c, oz. 20c.

**DIPPER.**—Makes a lighter and more convenient dipper than can be bought. Dippers of various sizes of a capacity from a pint to a quart and a half, can be had from a few vines. Pkt. 5c, oz. 20c.

**SUGAR TROUGH.**—Very large and strong grower. For buckets, etc. Pkt. 5c, oz. 20c.

**LUFFA, or Dishcloth.**—This fruit has peculiar lining which is sponge-like, porous, tough, elastic and durable, making a natural dishcloth or sponge. Start seed early. Pkt. 10c, oz. 25c.

**HERCULES' CLUB.**—Grows to immense size—4 to 5 feet in length. Pkt. 5c, oz. 25c.

**MIXED UTILITY.**—Seeds of above mixed. This is a very popular item with our customers. Many grow them as curiosities, but they are really useful in many ways. They are easily grown and will repay the work expended. Pkt. 5c, oz. 20c.

**ORNAMENTAL MIXED.**—A mixture of odd-shaped and fancy-colored sorts. Many handsome and useful small gourds in this mixture. Also offered among ornamental climbers in flower seed list. Pkt. 5c, oz. 30c.



IMPROVED NEW YORK EGG PLANT.

## EGG PLANT

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground 2½ feet apart.

**IMPROVED NEW YORK.**—Our strain of this, the leading market variety, we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Pkt. 5c, oz. 35c, ¼ lb. \$1.20.

**EARLY LONG PURPLE.**—The earliest variety in existence, being several weeks earlier than the above. Same color as Improved New York, but longer and somewhat smaller. Pkt. 5c, oz. 25c, ¼ lb. 90c.

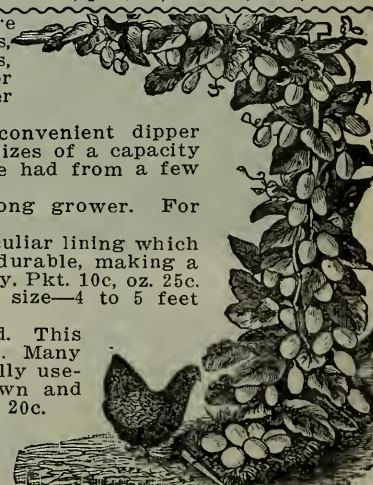
**PEARL WHITE.**—Pure creamy white, slight shading of light green near stem; good quality. Pkt. 5c, oz. 40c, ¼ lb. \$1.40.

### FLOWER SEEDS FOR BEES

Below we offer you seeds of a few flowers specially desirable for sowing to furnish food for honey bees. They are all heavy producers of nectar, bloom quickly and will bloom the first year from seed, furnishing food during spring and summer and till frost.



Adonis .....	pkt. 2c, oz. 15c
Alyssum, Sweet .....	pkt. 2c, oz. 25c
Asperula .....	pkt. 2c, oz. 25c
Cleome Pungens .....	pkt. 5c, oz. 35c
Dracopcephalum .....	pkt. 5c, oz. 20c
Iberis (Candytuft) .....	pkt. 2c, oz. 20c
Matthiola (Evening Stock) .....	pkt. 2c, oz. 25c
Phacelia .....	pkt. 5c, oz. 25c
Reseda (Mignonette) .....	pkt. 2c, oz. 15c
Sweet Rocket (Hesperis) .....	pkt. 5c, oz. 25c
Mixed Flower Seeds for Bees, the above in mixture, pkt. 5c, oz. 15c, lb. \$1.50.	



NEST EGG GOURD.





## GARDEN LEMON

Introduced by us and has been very highly praised. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, which it resembles in growth, but has a thinner flesh, and is decidedly acid, thus dispensing with the sliced lemons so important in putting up the Vine Peach. Directions for cooking with each packet. Pkt. 5c, oz. 25c.

## GROUND CHERRY

**IMPROVED YELLOW.**—Another year has added to the popularity of this little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country, to whom we supply seed. They grow well on almost any dry soil, are

easier raised than the tomato, are prolific bearers, and oh! what luscious fruit. For sauce or pies they are excellent. They are delicious as preserves and when dried in sugar are much better than raisins for cakes and puddings, and they will keep, in the shuck, if kept in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a portion to the Ground Cherry. Directions for preserving with each pkt. Pkt. 5c, ½ oz. 20c, oz. 30c.

## GARDEN HUCKLEBERRY

When this new fruit was first offered to us we had but little confidence in it, but after growing it on our grounds we recommend it to our customers. It belongs to the Solanum family (*Solanum Nigrum*), which is the same class botanically as the tomato, egg plant, and potato. The fruit is non-edible and by some considered injurious when green. When ripe they are about ½ inch in diameter, of shining black color and make delicious pies, preserves and jam. Easily grown and immensely productive. Directions for cooking printed on each packet. Pkt. 10c.

## VINE PEACH

A splendid novelty introduced by us. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color, somewhat russety. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Recipes for preparing for the table will be sent with each order. In the west and northwest, where fruit is scarce, they are becoming popular, as they are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach; not usually liked raw. Pkt. 5c, oz. 25c, ¼ lb. 75c.

## CHILDREN'S CORNER GARDEN

It is not always easy to induce the children to take an interest in the vegetable garden, but all children delight in melons, fruits, nuts and pop corn, and we have made a little collection which will afford them delightful things to eat, and which they will work to produce in order that they may enjoy the fruits of their labor.

1 pkt. Yellow Ground Cherry, sweet and good; 1 pkt. Monarch White Rice Pop Corn, enjoyed by everybody; 1 oz. Chufas or Earth Almonds, small, sweet ground nuts of delicious flavor; ½ lb. Red Cross Peanuts, can be grown in any good soil; 1 pkt. Rocky Ford Musk Melon, always well flavored; 1 oz. Sweetheart Water Melon, as good as its name. All the above postpaid for only 40c.

## PICKLING AND PRESERVING

### A SPECIAL OFFER FOR THESE USES

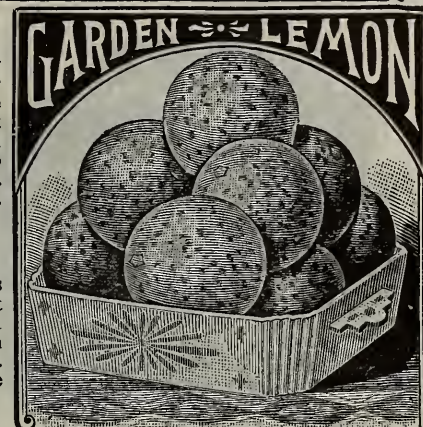
We offer in this collection a very complete assortment of garden vegetables for sweet and sour pickles, and for canning and preserving. Every item is easily grown and readily prepared for pantry stores. To the housewife it offers a wonderful range of delicious dainties for winter provisions.

1 pkt. Yellow Ground Cherry, for pies and preserves; 1 pkt. Golden Nugget Tomato, for fig preserves; 1 pkt. Vine Peach, for sweet or spiced pickles and preserves; 1 pkt. Brussels Sprouts, for picilli or mangoes; 1 pkt. Crimson Globe Beet, for pickling or table use; 1 pkt. Sage, for flavoring; 1 pkt. Dill, for use in pickle making; 1 pkt. Apple Pie Melon, for preserves, pies or sweet pickle; 1 pkt. Lemon Cucumber, for sweet pickle; 1 pkt. Chicago Pickle Cucumber, for sweet, sour or dill pickles; 1 pkt. Golden Queen Pepper, for mangoes and picilli; 1 pkt. White Barletta Onion, for pickling or flavoring.

ONE EACH TWELVE ABOVE PACKETS, POSTPAID, 50c.

*I have been dealing with your house for 15 years. You handle the best, true to name stock of seeds of any house I have dealt with.—Peter Gengler, Cawker City, Kansas.*

*The packages of garden seeds you sent me this spring all done well.—Miss Sarah Terry, Chula, Mo.*

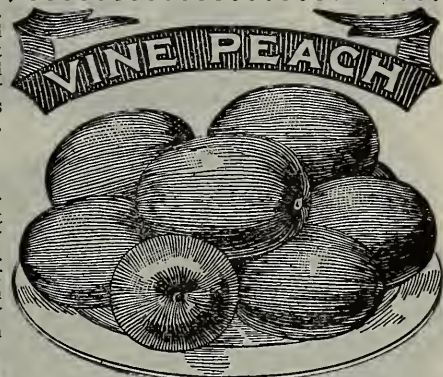


## PANTRY SHELF COLLECTION

### OF GARDEN FRUITS.

For the housewife who desires a diversity of good things for the table during winter. Will take the place of fruits when they are not obtainable, and will afford an appreciated variety for the family larder.

One pkt. each of Yellow Ground Cherry, Garden Lemon, Apple Pie Melon, Garden Huckleberry, Golden Nugget Tomato and Lemon Cucumber, postpaid for only 35 cents.



## KOHL RABI

(One oz. produces 2,500 plants.)

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable, intermediate between the cabbage and turnip.

Cultivate like cabbage and cook like turnips.

**GOLIATH PURPLE.**—This is a new sort, of immense size, solid and sweet. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.25.

**EARLY WHITE VIENNA.**—Flesh is white and tender. Good market sort. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.



WHITE VIENNA KOHL RABI

## LEEK

Leeks are quite appetizing when sliced and served as a salad or they can be cooked and served like onions. Sow seed thinly in drills early in the spring, thin out so as to stand six inches apart in the row. Early in the fall draw earth up about the stems as you would to blanch celery.

**LARGE ROUEN.**—Largest and most uniform of all. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.



LARGE ROUEN LEEK



# LETTUCE

(One ounce will sow 100 ft. of drill.)

No vegetable is more universally used than lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilld. Quality depends largely upon rapid and vigorous growth. Sow in hotbed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For succession, sow every three weeks during season. Thin out plants as they grow.

**ICEBERG.**—The large, curly leaves covering the heads are a bright, light green, with slight reddish tinge at edges. Center thoroughly blanched. In early spring or hottest summer days quality is simply perfect. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**CALIFORNIA CREAM BUTTER.**—A cabbage lettuce, with round, solid head; outside medium green, slightly marked with small brown spots; within, leaves are very rich cream yellow color, rich and buttery to the taste. Heads good size, compact, very hard and solid. In California they eat the heart only, with a dressing or olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**MAY KING.**—A very early variety of head lettuce of compact growth. The inner leaves are bright yellow, the outside ones light green, sometimes slightly tinged with brown. Its greatest claim to popularity is in quick and rapid growth making it extremely tender and brittle. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**RELISH, or Improved Big Boston.**—We are greatly pleased with this fine new variety. Is one of those rich, buttery-flavored sorts, which when accustomed to, is preferred to the crisp-leaved varieties. It is the blanched yellow center of the head that is eaten with olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**IMMENSITY.**—Enormous solid head variety, sometimes 18 inches in diameter, but still tender, crisp and of excellent quality. A reliable main crop sort. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**EARLY CURLED SIMPSON.**—Improved variety of Curled Sillesia; large, loose heads; fine flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**MORSE.**—Might well be named Improved Black Seeded Simpson. Desirable for growing under glass or outdoors. The finest family sort. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**IMPROVED HANSON.**—For general use both of market gardeners and in the private garden, we are sure that no variety can surpass our improved, and carefully selected strain of Hanson's Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. The heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter taste. Resists summer heat. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**CONTINUITY.**—This is a grand new variety. The outside leaves are of a brown color tinged with purple, while the inside of the head is a fine creamy white, tender, crisp and well flavored, making it in all respects a very desirable sort. Especially recommended for holding on through hot and dry weather and remaining crisp and brittle at all times. We highly recommend it. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**DENVER MARKET.**—An early variety of head lettuce either for forcing or open ground. Large, solid heads, light green color, and is very slow to go to seed. Leaves beautifully marked and blistered, very crisp and tender. By these blistered leaves it distinguishes itself. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

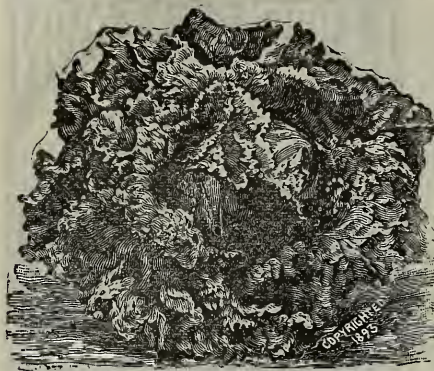
**GRAND RAPIDS.**—A forcing variety of superior quality. Strong grower, free from rot, keeps crisp and tender when exposed for sale longer than any forcing lettuce. Desirable variety for sowing in the open ground. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**SALAMANDER.**—An excellent all seasons variety, forming good sized heads that stand drouth and heat longer without injury than other sorts. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**PRIZE HEAD.**—Very tender leaves, dark reddish brown. Heads large, of good flavor. We sell more of this than any other brown-leaved variety. Always satisfactory. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**BLACK SEEDED SIMPSON.**—Nearly double the size of an ordinary Curled Simpson. Stands summer well without becoming tough or running to seed quickly. By far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners are pleased with our seed. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**MIXED LETTUCE.**—A number of the best kinds in mixture. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



ICEBERG LETTUCE



CONTINUITY LETTUCE



RELISH LETTUCE



MAY KING LETTUCE.





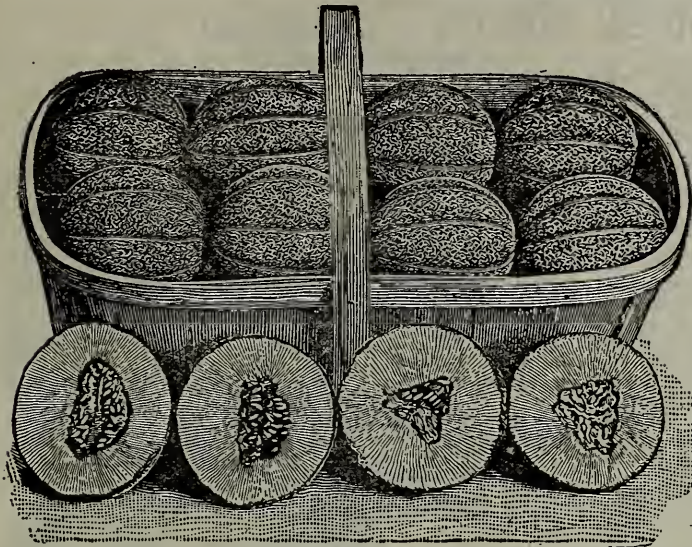
## MUSK MELON

(One ounce will plant about 80 hills, 2 lbs. to the acre.)

The soil best adapted to melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine, thin out, leaving only four of the most thrifty. As melons are very sensitive to cold, they should not be planted until the settled warm weather begins—in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground, and be kept up once a week until the vines interfere too much. You will be pleased with our seed, the greater part of which is produced at Altoona, with special care.

**THE ORDWAY CANTELOUPE.**—The favorite small basket melon as grown at Ordway, Colo. Differs from the Rocky Ford type in shape and color, as it is more nearly round and inclined to flatten at the ends, but is of about the same size. Color more nearly resembles the Burrell Gem, and it has the salmon-colored flesh of that variety. Quality is extra fine, being sweet and spicy, and deliciously melting and sugary. Will stand shipment for long distances. Originator claims it is two weeks earlier than Rocky Ford. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**BURRELL GEM.**—A truly delicious melon for home use or if you desire a variety which will bring a fancy price on the market, we unhesitatingly recommend the Burrell Gem. Is about the same size and shape as Rocky Ford, but has rich, golden yellow flesh of the most delicious flavor, solid and a most desirable shipping sort. Seed cavity is very small. The melons average about six inches long, four and a half inches in diameter and weigh 2¼ lbs. Shipments of these melons to Chicago, St. Louis, New York and elsewhere brought 50 per cent more than the best Rocky Fords. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.



BURRELL GEM.

**IMPROVED GREEN NUTMEG.**—A greatly improved strain of the old Green Nutmeg. Fruit of a medium size, very rich, melting and of exquisite flavor; flesh light green. Very productive. The original variety was a standard sort for many years, and is one of the best main crop sorts. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



IMPROVED EARLY HACKENSACK

Three large sized  
musk melons  
of choice quality

OSAGE MUSK MELON.

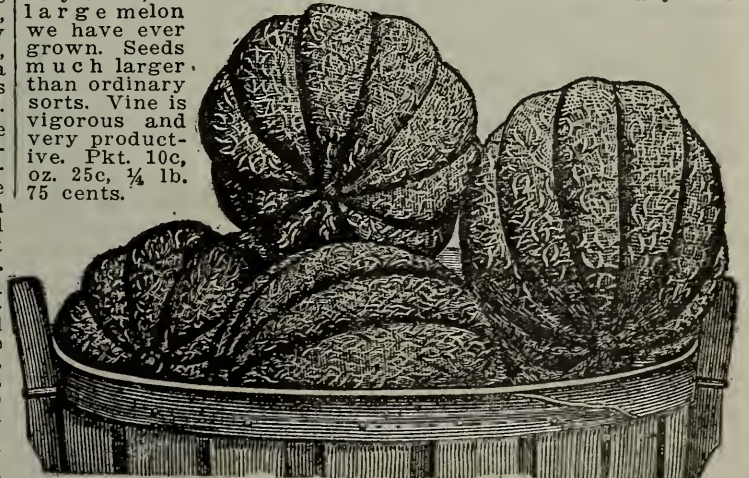
**OSAGE.**—One of the best melons for family use and also greatly liked by gardeners. Flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. Seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. Of medium size, oval, slightly ribbed. Skin is thin, of dark green color and covered more or less with shallow netting. We have taken great pains to develop the thick, deep, rich colored and fine flavored flesh of this sort, and a careful comparison proves it to be unequalled. All lovers of melons should try it. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**IMPROVED EARLY HACKENSACK.**—Ready for the market fully ten days ahead of the well known Hackensack, which it resembles in size, shape and quality, weighing from 5 to 12 lbs. each. Very productive, averaging five to six melons on the vine, all of them deeply netted; flesh light green. Shape is round, flattened at the ends and ribs are prominent. Quality fine and a splendid market melon, as it ships well. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**TIP TOP.**—(Orange flesh.)—This is a fine, nearly round in shape melon of such attractive appearance as to always sell quickly in the markets. It is sweet, juicy and delicious. The flesh is firm but not hard, and is edible almost to the rind. The melon is of medium to large size, evenly ribbed and moderately netted; a strong grower, heavy yielder and of handsome appearance, and is one of the best of the orange fleshed sorts. Its appearance on the market stall is very attractive, sells on sight; customers soon learn to pick them out and will have no other variety. Particularly adapted to the West. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

ENORMOUS

**ENORMOUS.**—A new musk melon growing to immense size. Shape oblong with wide fissures, and while it is well netted the fruits are so large that the netting does not show as heavily as on the smaller sized varieties. Specimens have been grown upward of fifteen pounds in weight. The flesh is very thick, salmon colored and better flavored than any other large melon we have ever grown. Seeds much larger than ordinary sorts. Vine is vigorous and very productive. Pkt. 10c, oz. 25c, ¼ lb. 75 cents.



TIP TOP

SEVERAL ADDITIONAL VARIETIES OF MUSK MELONS ARE LISTED ON NEXT PAGE



## MUSK MELON===Continued

**PAUL ROSE.**—Named for its originator who produced it by a cross of Osage and Netted Gem, combining sweetness and the high flavor of the former with the fine netting and shipping qualities of the latter. In size about midway between the parent sorts, with salmon flesh, and is a splendid melon for hotel and restaurant trade. Peculiarly sweet, rich, delicious flavor, and a long keeper and good shipper. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**THOROUGHbred ROCKY FORD.**—This variety, well shown by our illustration, has everywhere been in great demand by the high-class hotels and restaurants. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colorado, to the large cities, driving out the home grown. Of just the right size for table use, slightly oval in shape, flesh thick, of light green color, and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from choice specimens in the crop of the best melon grower at Rocky Ford who grows the Thoroughbred or pedigree stock of this variety. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**ORDINARY ROCKY FORD.**—Saved from ordinary melons which are too ripe for shipment. It will be free from mixture and while not so choice as our thoroughbred strain will produce an excellent crop of fine-flavored melons. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**GRAND RAPIDS.**—This is an extremely early variety. Flesh is of pure yellow clear to the rind; skin finely netted. To obtain best results pinch off the runners, throwing the growth into the fruit, making it larger and earlier. This is much larger than the Rocky Ford type, averaging in size with Osage, but is claimed by market growers to be the earliest of the larger varieties. It is of handsome and attractive appearance and quality is good. Is certainly a desirable sort for the market grower. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**EMERALD GEM.**—Undoubtedly the finest in flavor and the earliest to ripen, and while too soft to stand shipping any great distance, is unequaled for home use or nearby markets. Vines of strong and vigorous growth; very prolific. Is rather small and flattened at both ends. Emerald green, smooth and free from netting, heavily ribbed, with narrow bands of lighter green between ribs. Flesh very thick, crystalline appearance, and of rich salmon color. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**BAY VIEW.**—Fruit of largest size, frequently ten or fifteen pounds. Deep ribbed and coarse netted. Best of large, late maturing sorts. Many persons prefer the old

form of musk melon which was large and long, and we offer this as the best of the type. It is of good flavor, productive, with firm flesh, and does not rot quickly. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**EUROPEAN-AFRICAN MIXED.**—Grown in Europe in preference to American sorts. We do not think them as good as ours, but you may like them better so we suggest you try them. Mixture of many kinds. Pkt. 10c.

**BANANA.**—Attains a length of from 18 to 40 inches; from 2 to 4 inches thick. Flesh very thick, of salmon color. It looks almost like an overgrown banana and smells like one, hence its name. Has a peculiar flavor, differing from ordinary musk melons, and by some is considered superior. Pkt. 5c, oz. 15c.

**MIXED MUSK MELONS.**—A mixture of the American varieties which we list, and desirable for the diversity it offers; making an appeal to all different tastes. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

## CASABA MUSK MELONS

This is a class of very late maturing musk melons which do not ripen on the vines in the north, but are gathered before freezing weather and stored in a cool place and brought to a warm room for ripening; can be eaten any time up to Christmas as they keep very long. Shipped from California in carloads during winter.

**WINTER PINEAPPLE, or Santa Claus.**—The original, round form, green, best keeper of all. Pkt. 10c, oz. 25c.

**WHITE'S FAVORITE.**—Shaped like Winter Pineapple; beautiful gold color when ripened. The best flavored of this type, but will not keep so long. Pkt. 10c, oz. 25c.

## GOOD RESULTS EAST AND WEST

Our order was received in good shape and we thank you for the extras. The Iowa Seed Co. is the best in the world.—Mrs. Adam Weinman, Phillipsburg, Kansas.

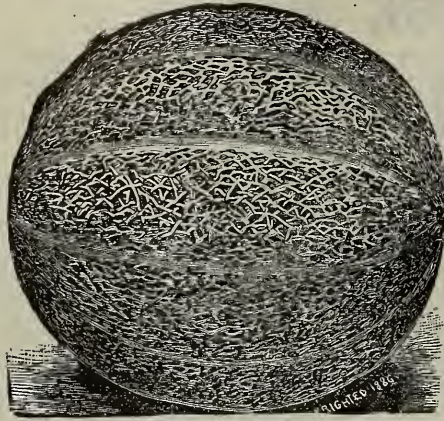
I thought I would write you a few lines and let you know I had great success with the seeds I received from you last spring.—Chas. Spahnower, New Eagle, Pennsylvania.

We received the garden seed and were surprised that it came so quickly. Thank you for many favors.—Mrs. F. VanAalsburg, Lynden, Washington.

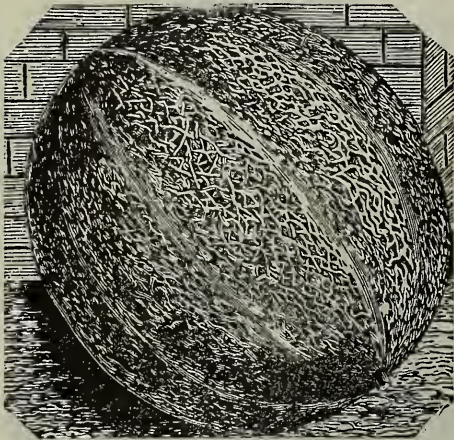
Every seed purchased from you has proven to be just as represented and I cannot say too much in their favor.—Edwin S. Sparhawk, Greenwich, N. Y.

I have used your seeds for the past three years and find them to be the best seeds and largest packages I ever bought.—Mrs. J. E. Broadford, Burr Oak, Kansas.

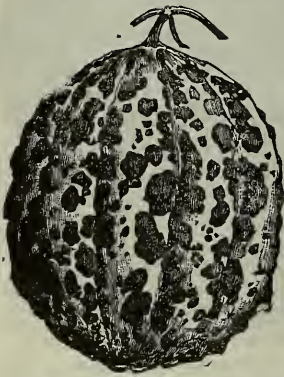
A HOME GROWN MUSK MELON IS ALWAYS SUPERIOR TO ONE BOUGHT IN MARKET



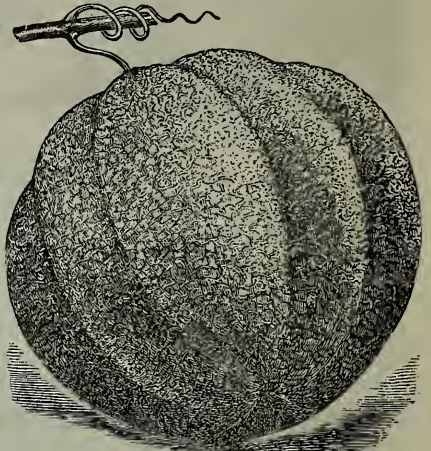
PAUL ROSE.



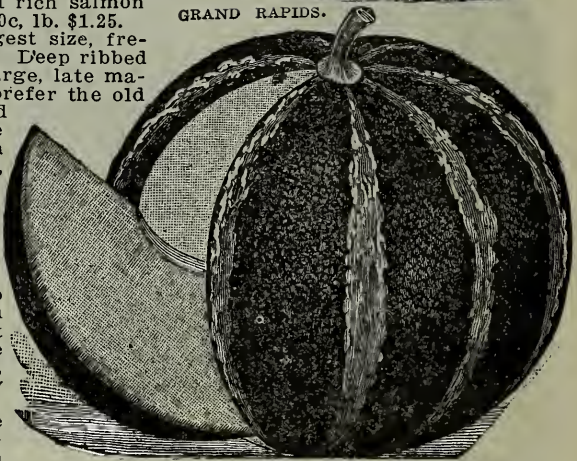
ROCKY FORD MUSK MELON.



AFRICAN MUSK MELON.



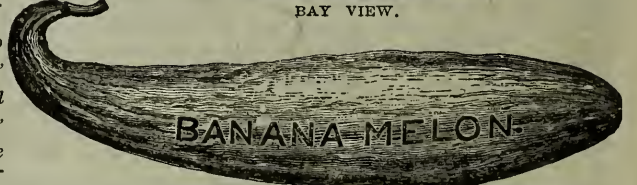
GRAND RAPIDS.



EMERALD GEM MUSK MELON.



BAY VIEW.



BANANA-MELON.



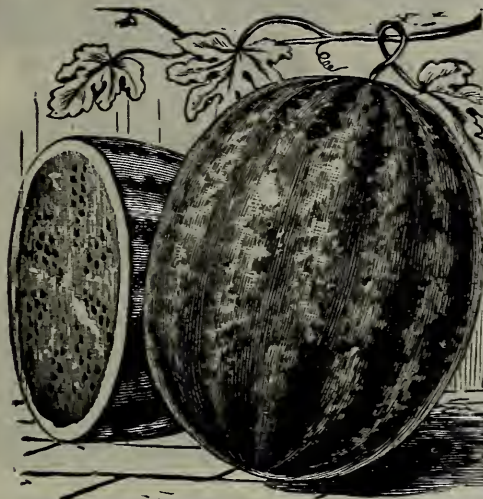
# WATER MELON

(One ounce is required for forty hills; three pounds will plant an acre.)

A light, sandy soil, with good exposure to the sun, is the best for water-melons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill, and finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers depend on us annually for their seeds and are universally pleased, claiming that nowhere have they ever obtained seeds so pure and reliable. It pays to have the best. Packets contain about one hundred seeds.

**COLE'S EARLY.**—Decidedly the finest variety for the private garden, but is too brittle for long shipments. It is very early and will mature farther north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor lusciously sweet and refreshing. One of the best early melons and is specially valuable for growing for home market as it matures in advance of other sorts and has the form and color that recommend it to buyers. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

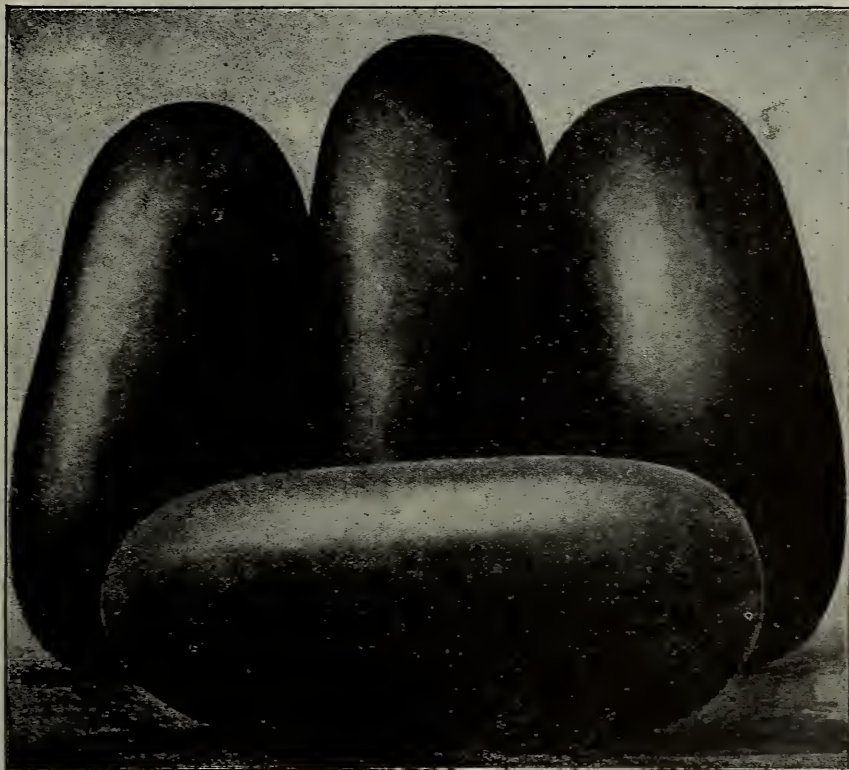
**FORDHOOK EARLY.**—Large early sort. From seeds planted May 10th, ripe melons have been produced the last of July. The rind is tough, making it valuable for shipping. Color is uniform medium green; flesh red, very sweet, solid, and of excellent quality. In markets where a solid green color is preferred the Fordhook will be a favorite. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



COLE'S EARLY

**TOM WATSON.**—A new variety destined to become a leader among melons, because of quality and shipping excellence. There is no variety to our knowledge that combines both essentials as does this melon. Most sorts of extra quality are not tough enough to ship, and most shipping melons are too tough to excel in quality. The Tom Watson is a large, oblong melon, the skin of which is dark green, with thick netting on the entire surface, quite distinct from other varieties. It averages 18 to 24 inches long and 10 to 12 inches in diameter and weighs 50 to 60 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. The heart is large with no core. Seeds brown, tipped white. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**GOLDEN SWEET.**—There is a demand for yellow fleshed melons to contrast with red sorts for table service, and in the variety we have the unique color of flesh combined with quality that will make it a fit companion for the sweetest red sorts that grow. The Golden Sweet is a most delicious and fine flavored melon, unsurpassed for sweetness and aroma. The outside skin is dark green, shape oblong, as shown in the illustration, size medium, a little larger than Monte Cristo, averaging about 20 pounds in weight, and just right for family use. The rind is very thin, not more than half an inch in thickness, but is hard and will carry without cracking or bursting the flesh. The color of the flesh is golden yellow, some specimens showing a lighter shade of lemon yellow, and the flesh is solid, smooth and contains comparatively very few seeds. For several years our customers have been asking for a yellow fleshed melon and we offer the Golden Sweet with full confidence that we shall please our patrons. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.



TOM WATSON

**KOLB'S GEM.**—For many years a favorite sort among northern market growers. On account of its excellent shipping qualities it is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow strips. Very thin rind; flesh bright red, good flavor. Our seed is choice. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**LONG LIGHT ICING.**—An old standard variety, still in great demand by market growers. Is a melon of splendid quality with the attractive bright red flesh so desirable. The fruits are large, oblong in shape, with light colored rind, making it distinctive. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**PEERLESS, or Ice Cream.**—(White Seeded.)—Of unquestionable quality, very early, medium size, thin rind, flesh bright scarlet. Rind too thin for shipping long distances, but it is the great home market melon and has occupied a high place in all seed lists for many years. Few, if any, sorts surpass it in melting, delicious quality. Color is light green, slightly mottled, shape oblong to round, and its appearance attractive. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**MIXED.**—Twenty-five varieties of the finest water-melons, largest, earliest, sweetest; grown separately; seed carefully mixed by us. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

Our list of water melons includes the best varieties for both home and market growing. None are listed that are poor in quality.



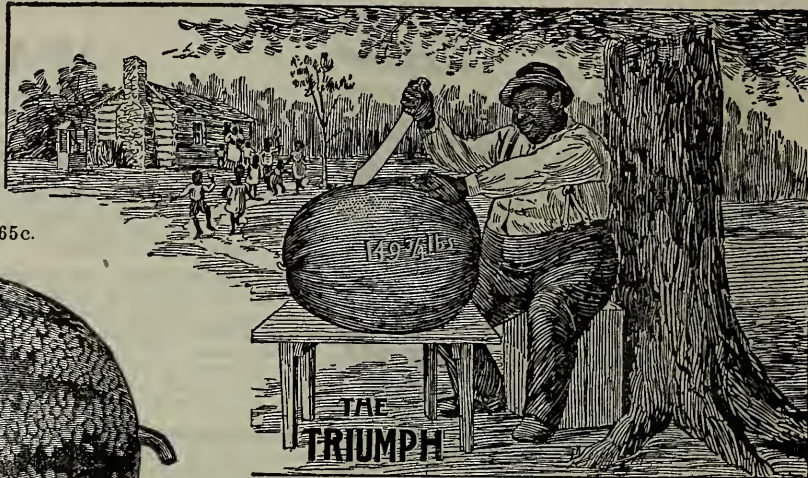
NEW GOLDEN SWEET

FOR ADDITIONAL LIST OF STANDARD VARIETIES OF WATER MELONS SEE NEXT PAGE



## WATER MELON---Continued

**IMPROVED TRIUMPH.**—Undoubtedly the largest of all melons, having been grown to the extraordinary weight of 149 3/4 lbs. Very productive, as melons aggregating over 800 lbs. have been grown on one vine. Governor Candler states that he had one of the Triumph melons weighing 132 lbs., which was sufficient to supply the 43 persons present with all they could eat. It is of dark green color, matures in good season, flesh is dark red, solid, and of excellent quality. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 65c.



*C. B. Vail, the noted melon grower of Muscatine, Iowa, writes us: "We are sending a sample of Triumph Melon to you today, weighing 62 pounds. I have shipped several carloads of this variety this year which averaged nearly 50 lbs. each."*

**SWEETHEART.**—This is a favorite Des Moines market sort. It is early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Vines are vigorous and productive, ripening fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green; rind thin but firm, solid, but very tender, melting and sweet. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

*The seeds I bought of you was very good. I had one Apple Pie Melon that weighed 44 lbs. I got 17 big Melons from three vines.—Wm. Habeck, Minnesota Lake, Minn.*

### A HALF CENTURY

The year 1914 closes 49 years' existence of our house. Next year we expect to appropriately observe our Golden Anniversary. We want to hear from our friends and customers and request you to write us a few words on a separate letter when sending your order. We hope by this means to keep in close touch with your wants and be even better able to serve you.

**MC IVER'S WONDERFUL SUGAR MELVER'S WONDERFUL SUGAR.**—This is a famous melon for sweetness and high quality. The fruits are long and of large size, averaging about 35 lbs. each. Is considered one of the handsomest melons, being rather light colored, irregularly striped and mottled with dark green. Rind is rather thin but tough; a good shipper. Flesh is delicate light red, entirely stringless and tender, juicy and luscious. Vine is strong, vigorous grower, very prolific and withstands extremes of weather, either wet or dry. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c.

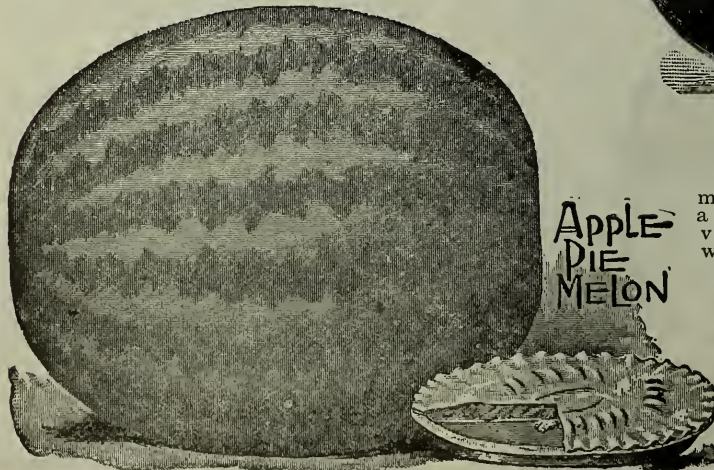
**MOUNTAIN SWEET.**—The old standard, still quite popular in the north where the large fruited southern sorts do not ripen. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c.

**MONTE CRISTO, or Kleckley's Sweets.**—A wonderfully popular variety. Stocks of seed last year were entirely exhausted before end of season. You must order early if you want Monte Cristo. After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons in existence, and it is especially desirable for the private family. The skin is dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and a long keeper. Market gardeners will also be pleased with it. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. 85c.

*Two years ago I bought an order from you and can truly say I never had better seed in all my gardening.—W. H. Moore, York, Nebraska.*



SWEET HEART



## CITRON MELONS

Nice for preserving and largely used for this purpose. **APPLE PIE.**—A novelty which will be appreciated in many parts of the country. Vine and fruit quite similar to a watermelon and are easily grown on any good soil. Each vine produces from 5 to 15 fruits and one of the large size will make as many pies as a half bushel of apples. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and resembles apples in flavor. They keep nice and fresh all winter, so they can be used any time and any surplus can be fed to the live stock. It will pay to raise them for this alone as they can be kept and fed all winter. Pkt. 10c, oz. 25c.

**COLORADO PRESERVING.**—This is a large-fruited strain of Citron for preserving. Flesh clear white and very solid. Green seed. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. \$1.00.

**RED SEEDED CITRON.**—Round, dark green, striped and mottled with light green. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. \$1.00.

WATER MELONS ARE LIKED BY EVERYONE, AND ARE BEST WHEN GROWN AT HOME



## MUSHROOMS

The ease and certainty with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry, both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. We recommend our English mushroom spawn as generally better both for the market garden and the private planter. Directions for culture sent on application. Per brick of about 1½ lbs., by mail, 40c. By exp. or frt., 5 bricks 85c, 25 lbs., \$2.25, 100 lbs. \$7.50

## MUSTARD

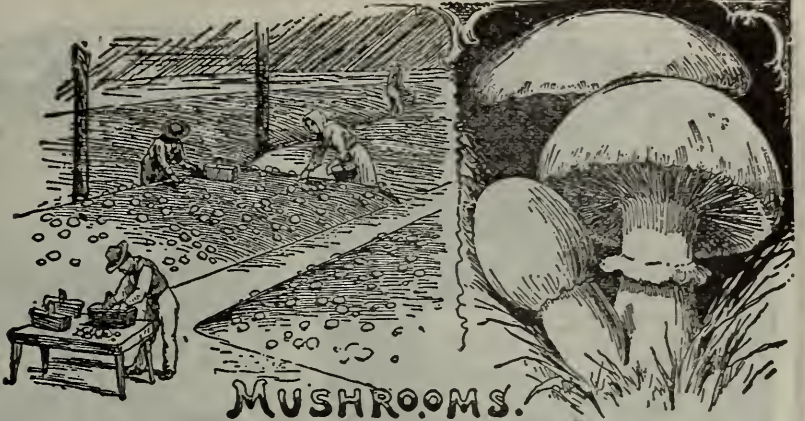
A pungent salad, used with cress or for greens. Sow thickly in rows, cut when about two inches high. One ounce will sow about seventy-five feet of drill.

**OSTRICH PLUME.**—Leaves long, ruffled, frilled and curved gracefully as an ostrich plume; desirable for garnishing. Can be cut quite early; excellent for "greens." Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**SOUTHERN GIANT CURLED.**—True curled leaf variety so popular in the south for planting in fall to furnish early spring salad; also fine for spring sowing. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

**CHINESE GOLDEN.**—Thick, finely curled leaves of bright golden yellow. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

**WHITE ENGLISH.**—Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 40c.



## OKRA

(One ounce will sow about 80 feet of drill.)

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables in drills 2 in. deep, leaving the plants 2 to 3 ft. apart. Pick pods while quite young and still tender and slice crosswise before cooking.

**WYRICK'S NEW GIANT.**—Wonderfully productive. Pods shoot out from the stalk within 3 inches of the ground, and the whole plant is covered with them. Pods are vivid green, 8 to 9 inches long, slender and do not harden as is the case with other varieties. Best for canning. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

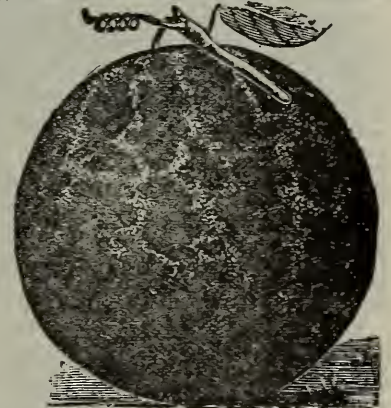
**WHITE VELVET.**—Pods round, smooth and of an attractive white, velvety appearance, very tender and of superior flavor. In the south where Okra is grown by almost everyone, this is considered the choicest quality. Plants dwarf and very productive. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

## POMEGRANATE

Ornamental little fruit commonly grown in gardens a century ago, but now rarely seen. Grows on pretty vine; fruit is round, yellow, irregularly striped with orange, red or mahogany; fragrant; a specimen will perfume a room many days. Pkt. 10c, oz. 25c.



SOUTHERN GIANT CURLED MUSTARD



POMEGRANATE

## POP CORN



PAGE'S STRIPED RICE

It pays to raise pop corn as a general crop. The demand usually exceeds the supply. Some farmers claim it is as easily grown as field corn and they receive three or four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound as it is better known. Let the children try a patch.

**MONARCH WHITE RICE.**—This is our own strain of large rice pop corn and has been bred up to splendid form and wonderful productiveness. We believe it is the best white variety. Bears three to six ears per stalk and yields 1,800 to 2,500 lbs. per acre. The grain is rather large and in popping expands to great size. If you are growing pop corn for market we urge you to plant Monarch White Rice as it will yield better returns than any other kind. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c. By express, not prepaid, ½ pk. 65c, pk. \$1.20.

Ten years ago my first order of seeds from you was 35 cents. It has increased each year since until this year it reached \$102.00. Alex. Pearson, Wakefield, Neb.

**PAGE'S STRIPED RICE.**—Introduced by Iowa Seed Co. A beautiful and attractive variety. Color white, each kernel being striped bright crimson like the old-fashioned Calico field corn. It has true rice grains, ears of good size, yields big crops, and pops fine and large and exceedingly tender. Popular for home growers because of quality. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 75c.

**MINIATURE.**—This is a splendid variety. Ears and stalk are small. Grains are true rice shape, a trifle smaller than Monarch White Rice, but they pop extra well. Produces more ears per stalk than any other. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c.

**QUEEN'S GOLDEN.**—This produces a large ear, and large, smooth grain of a peculiar lustrous golden yellow. Matures early and is very prolific. Grown by many poultrymen for feeding, as the grain is of right size and flinty, making especially good feed for growing fowls and pigeons. It pops splendidly, the general appearance of the popped corn being a rich cream color, peculiarly attractive. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c.

**MAPLEDALE PROLIFIC.**—Best of smooth grain white varieties. Ears are of medium size, but there are so many to the stalk that the average yield is extra large. Pops splendidly and will produce a larger proportion of popped corn per pound of grain than the larger sorts. On account of the smooth grain it is much nicer to handle than the rough rice kinds. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 60c.

**MUSHROOM CULTURE---A COMPLETE BOOK OF INSTRUCTIONS HOW TO GROW THEM---POSTPAID, 50 CENTS**





Good onion seed is of the utmost importance as it is one of the most important crops grown, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than onions. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that **OUR ONION SEED CANNOT BE EXCELLED** in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown onion seed. The crop was short this year and prices may advance. In comparing our prices with others, remember that we pay the postage. Deduct ten cents per pound if to be sent by express. Ask for prices in large lots.

**LARGE WHITE GLOBE.**—The handsomest market variety; beautiful, clean, pure, silvery white bulbs of large, even size, globe-shape, mild and pleasant flavor, and outsells every other variety. Undoubtedly the best white sort. Will yield as many bushels per acre as any of the American varieties. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**WHITE PORTUGAL or SILVER SKIN.**—Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper. Flesh is very mild and sweet; the skin a clear, silvery white, of very handsome appearance. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25.



**IOWA STANDARD, or Golden Globe.**

—Offered by us as the very best yellow globe-shaped onion for general culture. We prefer it to the red varieties because it is of mild flavor and much more handsome. Will keep sound and good under conditions that render other sorts worthless. Always uniform in shape, size and color. Is surely thoroughbred, and the entire crop looks like carefully hand-selected onions. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**SOUTHPORT RED GLOBE.**—This is a very handsome variety and is deserving of general cultivation. It is medium early (none of the perfectly globe-shaped onions are as early as the flat varieties), grows to a large size, skin deep red, flesh fine grained, mild and tender. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.60.

**YELLOW GLOBE DANVERS.**—A handsome, globe-shaped variety of large size, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. Has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for 9 years. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35.

**WHITE BERMUDA.**—A favorite in the south. Grown for the northern markets during winter and early spring. Popular because very mild and palatable. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 80c, lb. \$2.75.

**AUSTRALIAN BROWN.**—Color is a peculiarly clear amber brown, quite distinct from any other variety. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**EXTRA EARLY BARLETTA.**—Is a distinct new variety; the very earliest onion in cultivation. Fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. They are of pure paper-white color, very mild and delicate in flavor,  $1\frac{1}{2}$  in. in diameter and  $\frac{3}{4}$  in. in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**CULTURE.**—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well-rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. For pickles or sets the seed should be sown very thickly and in broad drills, about 50 pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made.

**LARGE RED WETHERSFIELD.**—The standard sort throughout the west; the most hardy and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this magnificent strain far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. Of finest form, skin deep purplish red, flesh purplish white, finer grained than many of the red sorts. Our seed is extra select and cannot be excelled. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**CANNONBALL.**—A particularly fancy type of red globe onion, produced by many years' selection of choicest bulbs. It is a thoroughbred, and if properly grown every bulb will be a good one. The hardest, longest keeper, best shape and most uniform strain of red globe onion it is possible to procure. We can recommend this seed to our friends as suitable for a quantity crop. If you intend to sow onion for home or market crop you will not find any strain or any variety that will produce better bulbs or that you can dispose of for more money. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**EXTRA EARLY RED.**—Matures very early. Of medium size, flat shape, deep red in color; very close grained, solid and heavy; will often form bulbs in cold and mucky soils where other varieties fail. Recommended particularly for the north and northwest where the seasons are short and cool. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.



# BIG ONIONS

For table use large onions are much preferable to small ones and they bring a better price on the market. The varieties listed on this page are of immense size, splendid quality and yield wonderfully large crops. While they do not keep quite as well as some other kinds, still they are usually good till January or February.

## The 5 Giants

One Packet Each of

**Mammoth Prizetaker**  
**Silver King Copper King**  
**Giant Vesuvius and**  
**Improved Gibraltar**

**FOR ONLY 25 CENTS**

With each of these "Five Giant" collections we will send a circular, giving full directions for "GROWING BIG ONIONS."

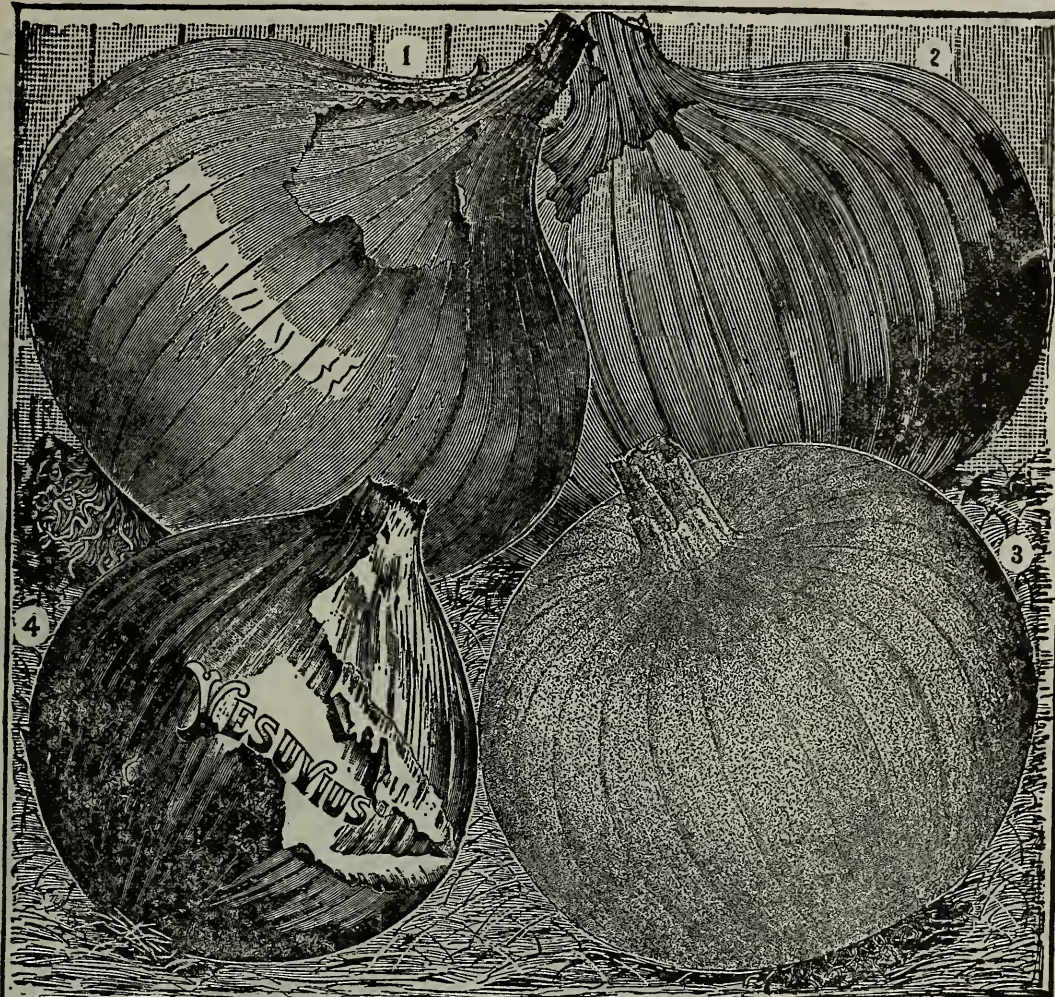
### MAMMOTH PRIZETAKER

—(See cut No. 1)—One of the largest, handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, one report being over 1,200 bu. per acre; bring an extra price, being sold on the market as fancy onions. Keep wonderfully well. Our seed is unexcelled, ripen up hard and firm, and present the handsomest possible appearance in market, while the pure white flesh is fine grained, mild and delicate in flavor. To grow largest size, sow early in hotbeds and transplant to open ground soon as weather is favorable. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

**COPPER KING, OR MAMMOTH POMPEII.**—(No. 2)—Have been grown to the enormous weight of 5 lbs. 6 oz., and not withstanding their large size retain their shape and fine quality. To obtain an idea how large this really is, weigh the largest onion you can find and compare. Copper color, flesh white, fine grained, mild. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60.

**MAMMOTH SILVER KING.**—(No. 3)—The largest white onion, no other approaching its mammoth size. Of attractive form, flattened, but thick through as shown in cut. Often weigh from 2½ to 4 lbs. each. Beautiful silvery white; flesh snowy white, sweet and tender and can be eaten raw. Matures early; of uniformly large size, perfect shape and bring a high price in market. Pkt. 5c, oz. 15c; ¼ lb. 50c; lb. \$1.60.

**GIANT VESUVIUS.**—(No. 4)—This is a mammoth foreign variety well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first



year. Handsome globe shape, somewhat elongated, and veritable beauties; attract attention anywhere. Color is almost blood red; flesh nearly white and quality most excellent. Much more tender and mild than the American sorts. Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. \$2.00.

**IMPROVED GIBRALTER.**—This new Spanish onion is similar in shape and color to the Prizetaker but when it is grown under ordinary conditions has proved to be very much larger and hardier; keeps better. The leaves of blades are distinct in appearance, being deep green, with glossy surface, enabling it to withstand dry weather and the attacks of insects. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.25.

**AILSA CRAIG.**—A mammoth sort from England, where it exceeded all other varieties in size. It is claimed that the largest onion ever produced was of this variety, weighing nearly seven pounds. Shape and style of the Prizetaker. Color is pale straw yellow. Flavor is exceedingly mild and sweet and its appearance is so attractive that it will command the highest prices. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

## ONION SETS

For early onions for bunching; ready for table in a very few weeks. Is cheaper to grow from seed but considerable work to weed, and many prefer to buy sets. Price by pint and quart includes postage; deduct 10c per quart if by express.

**POTATO ONION SETS.**—A species of Multiplier Onion, increasing from bulb early; matures quickly; mild. Pt. 20c, qt. 35c; not prepaid, pk. \$1.10, bu. \$3.75.

**WHITE MULTIPLIER ONION SETS.**—Pure silvery white; frequently producing as many as twenty bulbs in a single cluster; excellent quality; very early. Pt. 20c, qt. 40c; not prepaid, pk. \$1.35, bu. \$4.50.

**RED TOP SETS.**—Commonly known as Button Onion Sets. Pt. 20c, qt. 40c; not prepaid, pk. \$1.35; bu. \$4.50.

**PERENNIAL or Winter Sets.**—Also called Egyptian or Tree Onions. Usually set in fall; produce earliest spring onions without winter protection. Do not make large bulbs. Pt. 15c, qt. 25c; not prepaid, pk. 65c, bu. \$2.00.

**WHITE BOTTOM SETS.**—White onion sets from seed are best for early use and large onions. Pt. 20c, qt. 30c, postpaid; not prepaid, pk. 90c, bu. \$3.25.

### BOTTOM ONION SETS



### POTATO ONION SETS



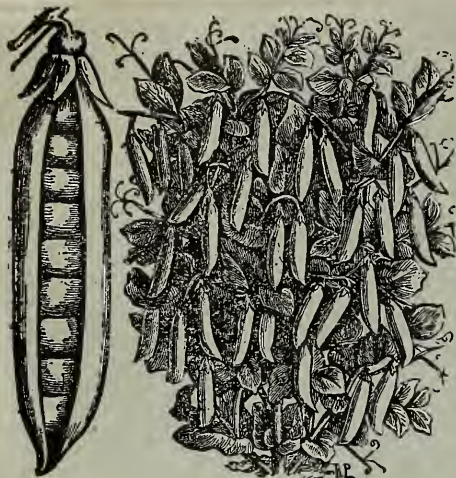
**RED BOTTOM SETS.**—Are like the white, except that they are of dark red color. Very hardy. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

**YELLOW BOTTOM SETS.**—Like the white, except color. More used than any other kind. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

GARDENERS WHO USE ONION SETS IN LARGE QUANTITIES SHOULD ASK FOR SPECIAL PRICES



## PEAS



IOWA CHALLENGE.

els are based on the Iowa legal weight of 60 lbs. per bushel and at prices thus quoted purchaser is to pay express or freight charges.

(One pound will plant about fifty feet of drill; 2 to 3 bushels per acre.)

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing. Sow in drills 2 to 4 feet apart, according to varieties, and 3 to 4 inches deep for general crop, although the first earliest will come to maturity sooner if only covered 1½ inches. The wrinkled sorts are marked \*. They should be sown thicker in the row than the smooth varieties; they are more liable to rot if the ground is wet. We are this year offering peas by the pound and the pound prices include postage. Ten cents per pound may be deducted from prepaid prices if we may send them by express or freight at your expense for transportation. Pecks and bushels are based on the Iowa legal weight of 60 lbs. per bushel and at prices thus quoted purchaser is to pay express or freight charges.



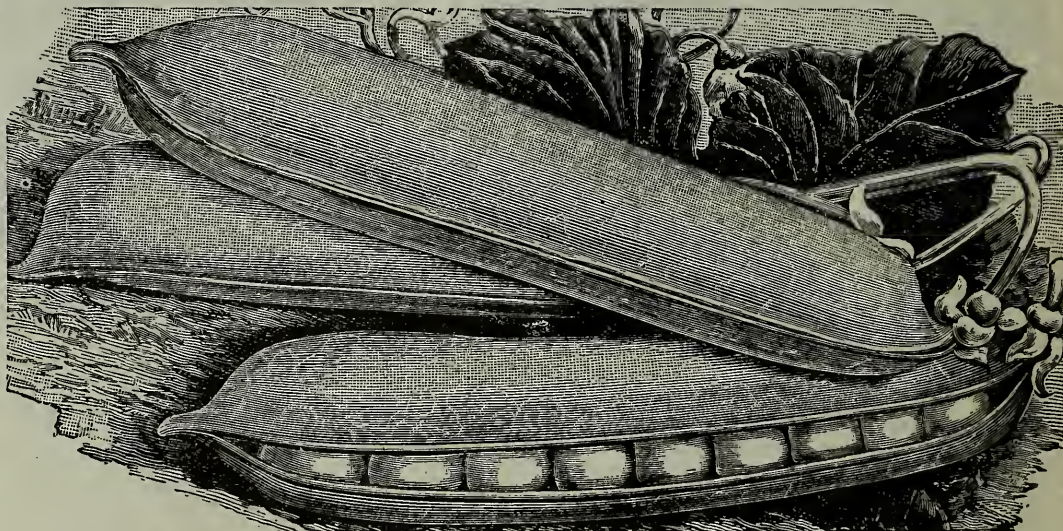
PREMIUM GEM.

### EXTRA EARLY SMOOTH VARIETIES

**ALASKA.**—Height 2 feet; pods rather small, dark green color, well filled; the earliest pea known, being two days earlier than the First and Best, and ninety per cent of the pods can be gathered at the first picking. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 70c. By expr., ½ pk. \$1.00, pk. \$1.75, bu. \$6.50.

**IOWA CHALLENGE.**—Extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in confidence say that after a trial of nearly all extra early varieties we have not found one possessing more merit, hence its name. For the market gardener it has no superior. Is not only extra early and prolific, but of good flavor. All good qualities of Extra Early are most nearly brought to perfection in the Challenge. Height 18 inches. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 70c. By expr., ½ pk. \$1.00, pk. \$1.75, bushel \$6.50.

**FIRST AND BEST.**—An extra early variety of smooth peas which are very popular and have been a standard sort for many years. Are very productive and mature several days before Premium Gem or American Wonder. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 70c. By expr., ½ pk. \$1.00, pk. \$1.60, bu. \$6.00.



GRADUS, OR PROSPERITY.

### EARLY DWARF WRINKLED VARIETIES

**\*AMERICAN WONDER.**—Popular extra early variety for family garden. Cannot be planted quite as early as smooth sorts; will not stand as much cold, wet weather but is far superior to them in flavor and table qualities. Dwarf, robust habit, growing about 10 in. high; produces a profusion of good-sized, well-filled pods of the finest flavored peas. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 80c. By express, ½ pk. \$1.10, pk. \$2.00, bushel \$7.50.

**\*PREMIUM GEM.**—This has been for many years the standard dwarf wrinkled peas for the family garden, and are also popular with market gardeners. It only grows 12 to 15 inches high and requires no support. It is an improvement on the McLean's Little Gem, being much more prolific than that variety. Pods large, dark green, and quality of the peas is superior to most sorts. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 80c. By expr., ½ pk. \$1.10, pk. \$2.00, bu. \$7.50.

**\*GRADUS, or Prosperity.**—One of the finest for family use. This remarkable pea is not only large and of the best quality but it is nearly or quite as early as the small, round, extra early sorts. It is a wrinkled pea with vine growing about 20 inches high. The pods are of a bright green color and measure 4 inches or more in length, and are well filled with luscious peas—8 to 10 or more in a pod. Of the highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. A grand pea in all respects. Pkt. 5c, ¼ lb. 10c, lb. 35c, 3 lbs. \$1.00. By expr., ½ pk. \$1.35, pk. \$2.50, bu. \$9.

**\*NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family garden pea. It is fully as sweet and delicious as the American Wonder and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. Geo. Buchanan writes: "I found these peas very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting." Quality very superior. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 80c. By express, ½ pk. \$1.10, pk. \$2.00, bushel \$7.50.



NOTT'S EXCELSIOR



## PEAS---Continued

### SECOND EARLY AND MAIN CROP VARIETIES

**\*ABUNDANCE.**—This is a standard medium or second early, and is also used largely for main crop planting. It follows Premium Gem and Nott's Excelsior in time of maturing. It is very prolific, producing an abundance of good sized pods, containing fine, large peas of exceptional quality—tender and sugary. We recommend it for home garden planting. Crop is very short this year and unless you order early we fear we shall run out of stock of this variety. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 70c. By expr., ½ pk. \$1.00, pk. \$1.75, bu. \$6.00.

**\*DWARF CHAMPION.**—This is a great improvement on Champion of England, which has been one of the sweetest, best, and most popular varieties for the last thirty years. The old variety is very tall (6 ft.), while this new sort grows only 2½ ft., and still vines are vigorous with a great profusion of very large pods filled with large-sized peas of superior quality and very sweet. Medium late and suited to main crop. Everyone who wants extra choice peas for family use should have these. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 70c. By express, ½ pk. \$1.10, pk. \$2.00, bushel 7.50.

**\*IMPROVED STRATAGEM.**—The most popular late variety for market or family use. It is preferred because of the immense size of pods and peas and the exceptional sweetness and tenderness of the peas when ready to use. Does not grow very tall, being really a half dwarf sort two to three feet high, and does not require support, though it will repay for the labor of training up with greater yield and longer bearing season. It is a vigorous grower, of branching habit, and under favorable conditions an enormous cropper. Pods are large, long, and filled with seven to nine large peas of superior quality. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 80c. By expr., ½ pk. \$1.10, pk. \$2.00, bu. \$7.50.

**\*MAMMOTH LUSCIOUS SUGAR.**—This new sugar pea bears pods much larger than any other variety, often six or seven inches long and an inch and one-half broad. They should not be shelled, but the peas and pods eaten together, as they contain so much sugar, starch and gluten; are very nutritious for family use. Grows quite tall, five to six feet high, and requires support. Most popular and is decidedly a desirable variety. Pkt. 10c, ¼ lb. 15c, lb. 40c, 3 lbs. \$1.10. By express, ½ pk. \$1.75, pk. \$3.25, bushel \$12.00.

**\*DWARF WHITE MARROW.**—An improvement on the old Large White Marrowfat. Fully as productive as the older sort, but does not grow so tall and rank. Is used almost exclusively for late midsummer planting by market gardeners and is very productive. Grows three to four feet and is best if supported, though support is not usually given where it is grown by gardeners in quantity. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 65c. By express, ½ pk. 75c, pk. \$1.40, bushel \$5.00.

**\*CHAMPION OF ENGLAND.**—Is an old variety, and is one of the finest flavored and most productive. Grows 4 to 5 feet high and requires support, but the fine quality and very large crop which it produces will more than repay any extra labor required. A strong, vigorous grower, and continues to bear for a long period. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 70c. By expr., ½ pk. \$1.00, pk. \$1.75, bu. \$6.50.

**\*TELEPHONE.**—Immensely productive; finest quality; excellent sugary flavor; vines very strong, growing about 4 feet high and should be given support. Pods of large size, with 6 or 7 large, delicious peas. Pkt. 5c, ¼ lb. 10c, lb. 30c, 3 lbs. 80c. By expr., ½ pk. \$1.10, pk. \$2.00, bu. \$7.50.

**\*EVERBEARING.**—One of the best for main crop planting. Grows about 2 feet high, strong and vigorous, branches in peculiar manner and will do nicely without support. Continues to bear and produce a crop all the season if peas are kept picked as they grow. Pods and peas are of large size, and fine quality. Recommended for the home garden as a satisfactory sort. Pkt. 5c, ¼ lb. 10c, lb. 25c, 3 lbs. 70c. By expr., ½ pk. \$1.00, pk. \$1.75, bu. \$6.50.

### KIND WORDS FROM CUSTOMERS

I am writing to thank you for your promptness in filling my order of seeds from you. This is my first order from your house. I am quite sure we shall do business again. I have planted a lot from them already under glass and find them good stock. A generous count, too.—A. V. Drown, Wisconsin.

I have planted your seed for several years and find them to be the best. Your bargain seeds give good satisfaction.—Mrs. W. D. McFarland, Humboldt, Iowa.

I would like to say in regard to the seed I ordered last year that they gave good satisfaction and I was well pleased with them.—Mrs. John Gulick, Lossing, Iowa.

I received the seeds all right and am much pleased. They are nearly all up and are doing nicely. I enclose another order.—Mrs. Nellie Hiteman, Luther, Iowa.

I wish to say that seeds and plants bought of you last spring were a great success.—Miss E. M. Collen, Malcom, Iowa.

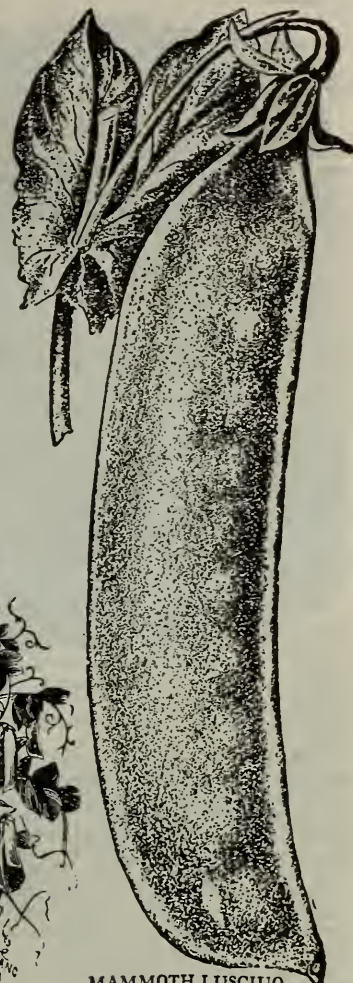
I received your seeds all O. K. and in good shape. It is all good and comes up nicely.—William F. Behling, Boone Co., Iowa.

For five years past your seeds have been all right.—Mrs. Scott Asher, Trenton, Mo.

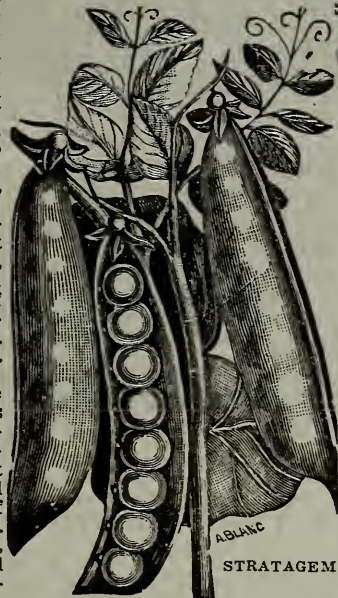
Your seeds were very satisfactory last year. In fact, my garden was the best in all this country.—Mrs. W. W. Smith, Wagar, Ala.

### FIELD PEAS

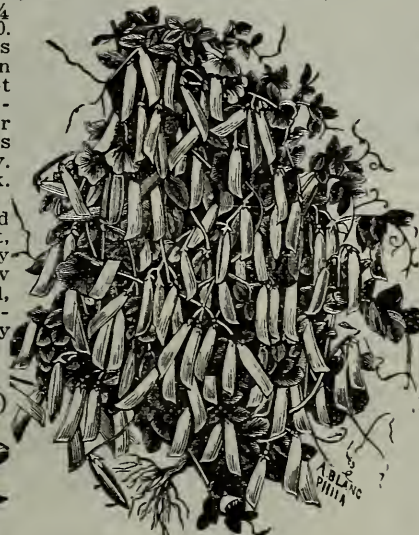
A splendid crop to sow with oats or barley for green feed. Will produce a crop and enrich the soil at the same time. Are listed and described with farm seeds on p. 56.



MAMMOTH LUSCIOUS SUGAR



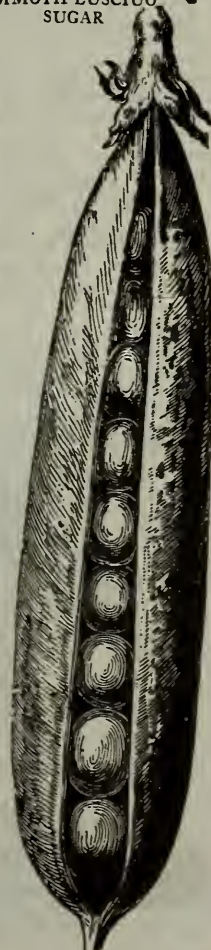
STRATAGEM



ABUNDANCE.



EVERBEARING.



TELEPHONE

### PLEASE READ THIS

We are this year selling Peas, Beans, and Sweet Corn by the pound, and the quotations by peck and bushel are based on the legal weight table of Iowa and are weighed, not measured. You get actual value; no chance for skimping measures under this selling plan.

POULTRY WIRE NETTING MAKES A GOOD SUPPORT FOR THE TALL VARIETIES OF PEAS





MARKET GARDENER'S PARSLEY.

## PEPPER

(One ounce will produce about 1,800 plants.)

Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly and require considerable heat.

**CORAL GEM BOUQUET.**—(Cut No. 1.)—This new red hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Nice to chop up for mixing picilli. Pkt. 10c, oz. 40c.

**RUBY KING.**—(Cut No. 2.)—Very large in size,  $4\frac{1}{2}$  to 6 inches long by  $3\frac{1}{2}$  to 4 inches thick. When ripe they are of beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Produces large, handsome fruit and is splendid for stuffed peppers or mangoes. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 90c.

**CHINESE GIANT.**—(Cut No. 3.)—Most gigantic of all Giant Peppers. A fine mild red pepper of enormous size, magnificent appearance and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Makes an excellent salad sliced and served like tomatoes. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**KALEIDOSCOPE.**—(Cut No. 4.)—A very ornamental new sort. The small fruit changes from cream color to canary, deepens to orange then turns into pink, until it becomes a deep, shining scarlet. Pkt. 10c, oz. 50c.

**JAPANESE FANCY.**—(Cut No. 5.)—A very ornamental variety, bearing little heart-shaped fruits of various colors, purple, white, yellow, orange, red, all on same bush. Fruits are edible, of mild flavor. Pkt. 10c.

**LARGE BELL, or Bull Nose.**—(Cut No. 6.)—Early standard sort. More pungent than Ruby King and not quite so large. Is the favorite for drying for winter use. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**RED CHILI.**—(Cut No. 7.)—Small, long fruit, but very hot. Used for pepper sauce. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**MAMMOTH GOLDEN QUEEN.**—(Cut No. 8.)—Average a third larger than Ruby King. Is 8 to 10 inches long; bright, waxy, golden yellow and mild flavor. A favorite variety for mangoes. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.



PEPPERS. Refer to numbers for description.

**SWEET MOUNTAIN, or Mammoth.**—This pepper is in shape similar to Large Bell, but fruits are much larger and not nearly so pungent. A splendid sort for making stuffed pickle. Has been a standard large pepper for many years. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**RED CAYENNE.**—Pods long and slim, of medium size. Pungent. Used for pepper sauce. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**MIXED PEPPERS.**—A choice mixture of all the above and several other fancy varieties. Fine for exhibition. Pkt. 10c, oz. 35c.

Pepper plants of the large varieties listed on page 38.

## PARSNIP

(One ounce will sow 200 feet of drills. Five lbs. will sow an acre in drills.)

Sow early in spring in good, rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by frost.

**IMPROVED TABLE GUERNSEY.**—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. Very heavy cropper; roots are smooth with a deep, hollow crown and a small top. Flesh fine grained, sweet and of excellent quality; cooks evenly, center being as fine, soft, even quality as outside portions. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 80c.

**IMPROVED HOLLOW CROWN.**—This greatly improved strain is about the same shape as the old sort but smoother and of more even quality; fine grained and excellent. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

## PEANUTS

Peanuts can be grown in Iowa, and everyone should plant at least a few, for the children.

**RED CROSS.**—This very desirable variety is early as the earliest, most hardy, very prolific and of best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell nuts carefully so as not to break inside skin, plant as soon as ground becomes warm, from 2 to 3 ft. apart each way, 4 or 5 to the hill, covering 2 inches. Soil should be deep and mellow. Produce from 25 to 70 bushels to the acre; easily cultivated as corn. Pkt. 10c, lb. 40c, postpaid. By express 5 lbs. or more at 25c per lb.

**SPANISH.**—A very early variety; quite prolific, but the pods are small. Per package 10c, lb. 50c.



RED CROSS PEANUTS.



GUERNSEY PARSNIP.



# PUMPKIN

One oz. will plant 25 hills;  
4 lbs. will plant one acre.

The best, most enterprising and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with a corn or potato crop, and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, two pounds will plant one acre.

**NEW ATLAS.**—What do you think of a pumpkin weighing 300 pounds? It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the Mammoth Chili. Our seed is the result of years of selection, and was saved only from the largest sized, perfect shaped specimens, which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs. Flesh is a rich yellow, very thick, and excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. Pkt. 10c, oz. 25c, ½ lb. 75c.

"From one seed of the Atlas Pumpkin received from you I grew one vine which produced four pumpkins. The largest weight 175 lbs., the second 168 lbs. third 138 lbs., fourth 93 lbs., or 577 lbs. in all."

**KING OF MAMMOTHS.**—The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 lbs. One customer writes us that he grew one that weighed 158 lbs., and on the same vine he had five other pumpkins from 80 to 104 lbs. each in weight—over 640 lbs. grown from one seed. Farmers and gardeners, just think of that kind of a crop! Will it not pay to grow the King of Mammoths and exhibit them at your county fair? Our seed is from select specimens. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

**MAMMOTH TOURS.**—Is also called "Mammoth Whale." Grows to an immense size, sometimes 3 feet in length, and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**MAMMOTH ETAMPES.**—Giant variety from France. Bright red color. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

## COLLECTION OF Mammoth Pumpkins

One Packet Each of New Atlas Mammoth Tours, King of Mammoths and Mammoth Etampes.  
ONLY TWENTY CENTS



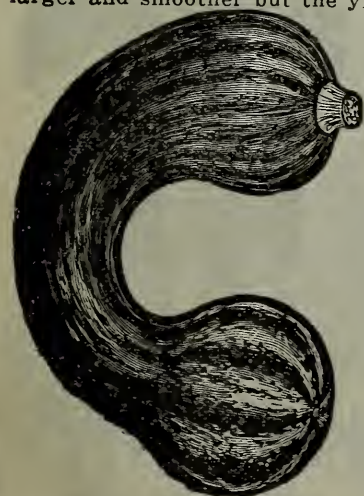
ATLAS PUMPKIN.

**YANKEE PIE.**—The noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but is smaller, very sweet, fine grained and one of the best varieties for table use. It pleases everyone for making pies. Early. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**LARGE CHEESE, or Improved Kentucky Field.**—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field but are flat shaped, with creamy buff skin and thick golden flesh. It is one of the best of the pie pumpkin and can be grown in the corn like the common cow pumpkin. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. Five pounds by express or freight at 40 cents per lb.

**JAPANESE PIE.**—This is similar in size and form to the well known Cushaw, but the skin is deep green, with darker stripes turning to yellow as fruit ripens; earlier than any other pumpkin. Seeds marked with curious indentations. Flesh is very thick, a rich crimson color, dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**BIG TOM.**—A greatly improved strain of Yankee or Connecticut Field Pumpkin which has been selected for many years to secure the most uniform type. Not only are the pumpkins larger and smoother but the yield is nearly double that of the old variety. We recommend it to our customers as the very best type of cornfield pumpkin. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. Five pounds by express or freight at 35c per lb.

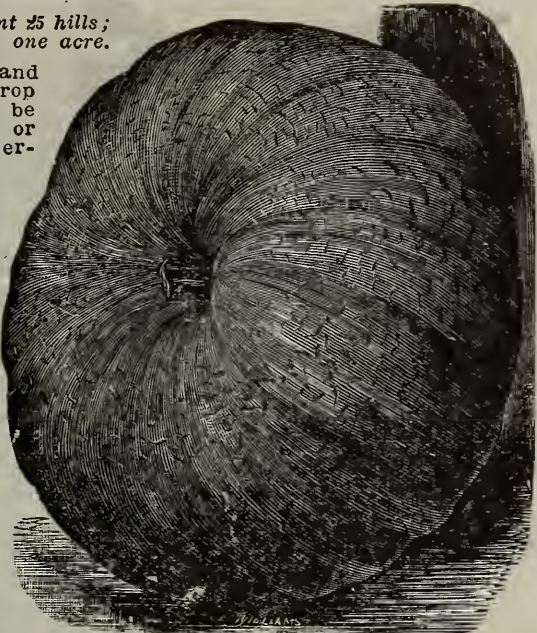


JAPANESE PIE.

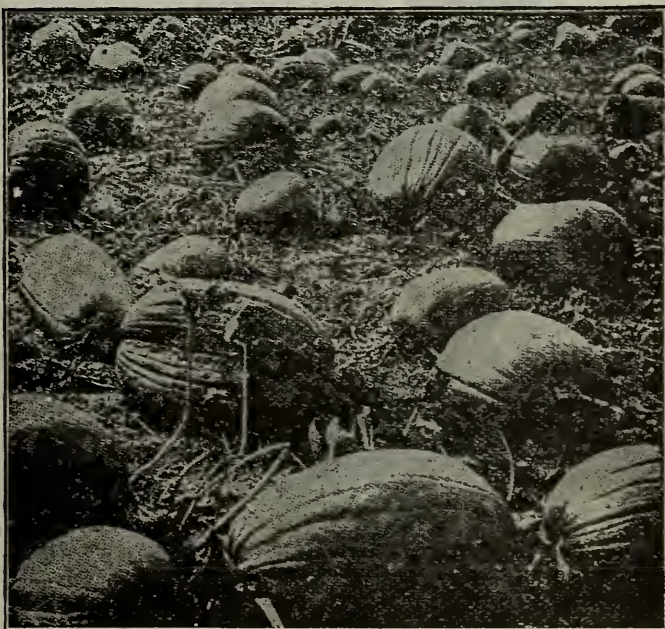
**GOLDEN CUSHAW, or Jonathan.**—Attractive and sells better than the old green striped sort. Large, bottle-shaped sort. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**GOLDEN RUSSET.**—An extra choice sweet variety, also called Winter Luxury. Golden yellow, netted or russeted over surface; small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**CONNECTICUT FIELD.**—Is the common field or cow pumpkin. If you have any live stock plant some of these. Oz. 5c, ¼ lb. 15c, lb. by mail 35c. By exp. or frt. 10 lbs. \$2.25.



KING OF MAMMOTH PUMPKIN



BIG TOM PUMPKIN.

GROW PUMPKINS IN THE WASTE PLACES ON THE FARM THEY WILL PROVE PROFITABLE



# RADISH

One ounce will sow 100 feet of drill. 8 to 10 lbs. will sow an acre in drill.

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks, until midsummer. Radishes must be grown quickly and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes," and we think it cannot be surpassed.

**EARLY BIRD.**—Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is of round or turnip shape as shown in our illustration, of bright scarlet color and pure white flesh, which is tender, crisp and of the very best flavor. It has few and short leaves, which admits of very close growing, thus producing a large number of bundles of radishes on the same ground. Very desirable for the home garden and money maker for the market gardener. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**SPARKLER.**—This is a new extra early white-tipped round radish. It is distinct in that the white tip is larger and more pronounced than in any other variety. Much more of the root is white than shown in our illustration, and the contrasting colors being so nearly equal gives it a more attractive appearance than any of the varieties now on the list. Well adapted for either forcing in frames or for the private garden. Will brighten the whole table if placed in a glass dish where colors show to good advantage. Quality unsurpassed; remain solid and crisp a long time. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**CRIMSON GIANT FORCING.**—The most profitable variety for market gardeners, and may well be considered the most valuable new variety which has been sent out for many years. A rapid growing sort, developing roots of beautiful deep crimson color, perfect shape and more than double the size of any other forcing variety. The old standard sorts, such as Rosy Gem and Scarlet Globe, usually measure from two to three inches in circumference while the Crimson Giant often measures nine inches in circumference without getting pithy or hollow, and retains its firmness and tenderness of flesh. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**VIOLET QUEEN RADISH.**—A novelty of 1908 and decidedly the handsomest of all radishes. It is a small, round or turnip-shaped variety of a beautiful violet-purple color, sometimes shading to white near the tip, thus giving it a very pleasing aspect. It matures quickly, is solid, crisp and of excellent flavor, and does not become pithy quickly. For best results grow in loose, rich soil and cultivate well. It is very showy on the table, especially when put in a glass dish with red and white radishes. Do not fail to try it. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**FRENCH BREAKFAST.**—Of medium size and olive shape, with small top; quick growth; beautiful scarlet color shading to white. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

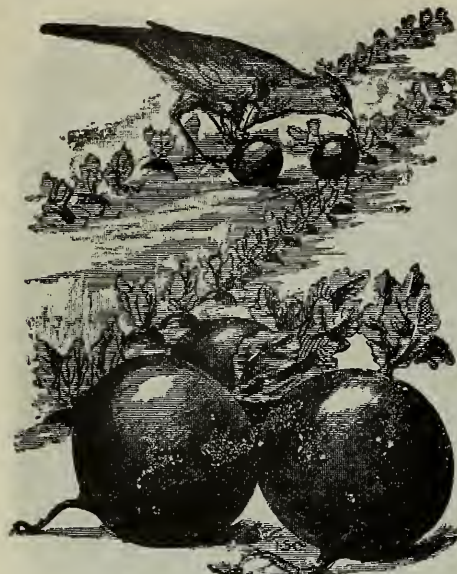
**ROSY GEM.**—A handsome globe-shaped variety of rosy scarlet shading to white at the tip. Similar to Scarlet Gem but lighter color. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**EARLY SCARLET GEM.**—An extremely early variety which has matured fit for the table in seventeen to twenty days from the time of sowing the seed and is fully grown in less than four weeks. It is of a perfect globe shape, and of a bright, rich scarlet color, tipped with white, thus making it particularly handsome on the table. The Scarlet Gem has very few leaves, therefore is an excellent variety for forcing, and gardeners will find it an "A No. 1" seller on the market. In quality it stands unsurpassed—tender, crisp, appetizing. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

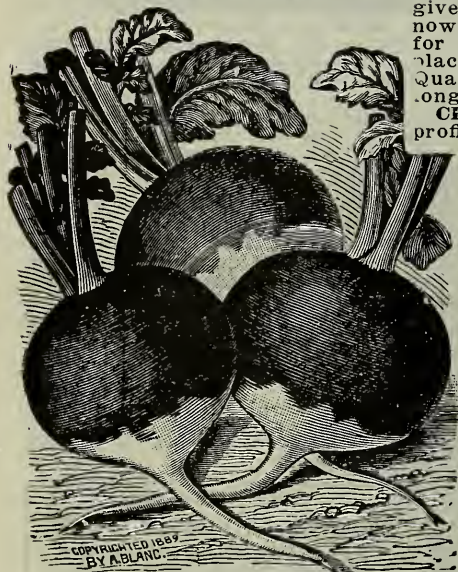
**IMPROVED CHARTIER.**—Roots are long and cylindrical, scarlet rose above, shading into pure waxy white at the tip. Flesh white, crisp and mild flavor. Stands hot weather well. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**EARLY LONG SCARLET, or Short Top.**—An old standard variety; of quick growth; long, slender root. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

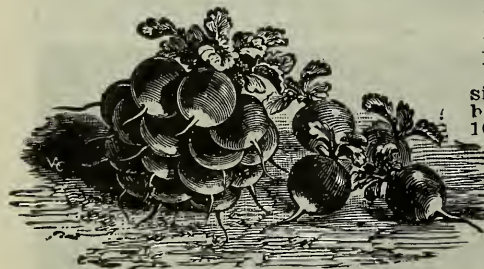
**BRIGHTEST LONG SCARLET.**—The handsomest long red radish which is very early. It is shaped like Long Scarlet, but the tips are white like Chartier. The white and red colors in contrast make it a popular market sort which sells readily. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



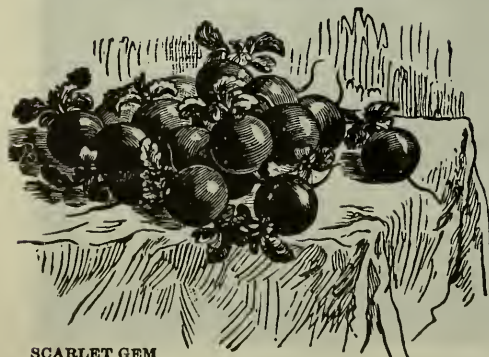
EARLY BIRD RADISH.



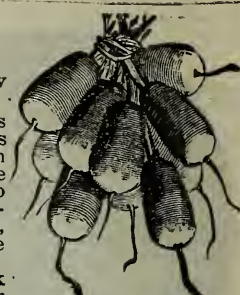
SPARKLER RADISH



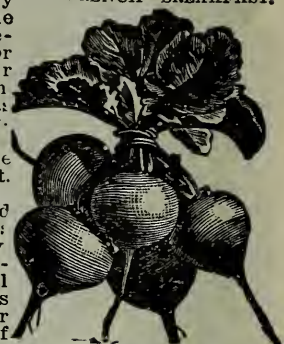
VIOLET QUEEN RADISH.



SCARLET GEM



FRENCH BREAKFAST.



CRIMSON GIANT



BRIGHTEST LONG SCARLET



## RADISH---Continued

**EARLY SCARLET GLOBE.**—The most popular variety for hotbeds and forcing, as it is the earliest of all. Of handsome color, crisp, juicy and tender. It forms a small top and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more readily than any other sort. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c.

**STRIPED TRIUMPH.**—A beautiful new variety and is a decided novelty. It is of the shape shown in our illustration, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early and has a very small top, thus adapting it to cultivation in hotbeds. The flesh is white, crisp, tender and as good flavor as any radish grown. It being a sport, some of the roots are always of solid color, not variegated, but they are always of fine quality, regardless of color. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**ICICLE.**—A splendid long variety of almost transparent whiteness. Produces nice roots in twenty-two days from the date of sowing, and it continues in prime condition for a long period, so that in one sowing of seed, nice, crisp radishes may be had from spring until mid-summer. It is much the most popular sort in the entire list. There is no variety that grows more uniform in type, and there are none that surpass it in quality. We recommend it as the very best second early radish. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c.

**WHITE STRASBURG.**—Of handsome, oblong, tapering shape, both skin and flesh being pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Very popular because it remains fit for use a long time and does not get pithy. Sometimes called the Sandwich radish. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c.

**MODEL WHITE BOX.**—Of handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds and boxes, and one third more radishes can be grown in the same space than with most other varieties. Of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**GOLDEN DRESDEN.**—A little beauty, with golden brown skin, white flesh, crisp, juicy and of finest flavor. One of the quickest growing sorts; tops small, admitting of close planting. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**SAKURJIMA.**—This is a giant variety of radish from Japan. It has been grown to the enormous dimensions of 43 inches in circumference. Flesh is solid, firm and brittle, and of excellent flavor. Will grow and thrive in any ordinary garden soil. This is a real "novelty" to most Americans and it will hardly be recognized as a radish from its appearance when full grown. Try it and you will be surprised at the real value of this monstrous variety. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50.

**IOWA SEED CO.'S MIXTURE.**—A superb mixture of all kinds of radishes—early, medium, fall, winter, Chinese, etc. Sow a row of it and it will furnish you delicious radishes throughout the year. The early and medium ones as they mature are pulled, make room for the larger growth of the fall and winter varieties. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c.

### WINTER RADISH

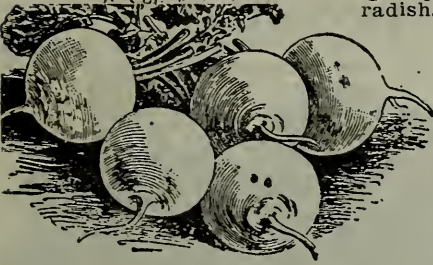
**LONG BLACK SPANISH.**—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c.

**CHINA ROSE WINTER.**—Bright rose colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**CALIFORNIA MAMMOTH WHITE.**—Large size, 8 to 12 inches long, 2 to 3 inches thick, white, solid, of good quality. A very popular sort with market gardeners for late selling. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c.



ICICLE RADISH



MODEL WHITE BOX RADISH



WHITE STRASBURG



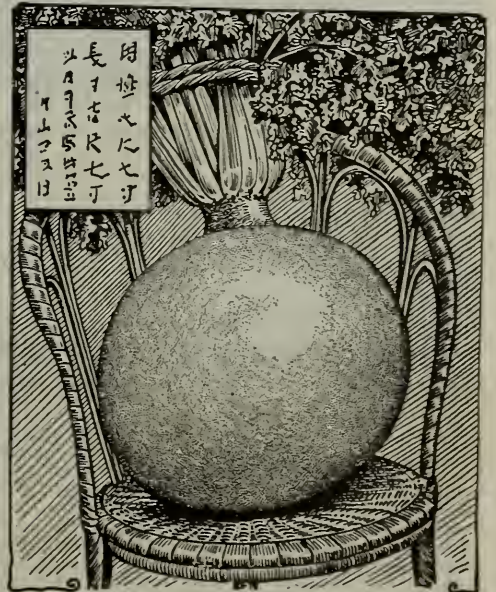
GOLDEN DRESDEN



EARLY SCARLET GLOBE RADISH

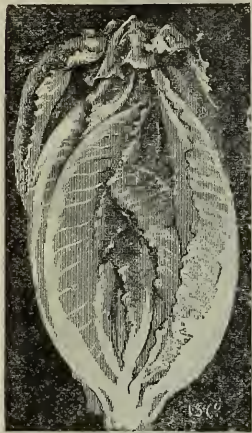


STRIPED TRIUMPH RADISH



SAKURJIMA RADISH.





ROMAINE.

**ROMAINE.**—Really a variety of lettuce, though so very different from the sorts usually grown that it is classed separately. Very popular in France, where choice flavor in vegetables is especially appreciated. The leaves are of rather light green color shading to white when blanched. It is more uniform growing and self-folding than any other variety of cos lettuce, so that it is not really necessary to tie the leaves together in order that it may blanch. We hope all our customers will give this grand novelty a trial this season and we are sure that you will be more than pleased with it. Possesses a flavor peculiarly its own, crisp and delicious, and people who grow it once are sure to continue. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c.

## SALSIFY

### VEGETABLE OYSTER

(One ounce will sow 50 feet of drill, 8 lbs. to the acre.)

Why don't you grow salsify? It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in winter, when the supply of really good vegetables is so limited. It has the true oyster flavor, and makes a delicious and inexpensive substitute for them in soup, etc. Cultivate like parsnips.

### MAMMOTH SANDWICH ISLAND.

—Average fully double size of old Long White. Roots are white, smooth, and, notwithstanding their enormous size, of superior quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

## OUR SEEDS GROW

Received the box of seeds on Monday, all in good shape, and am very well pleased with them, and can recommend your company to my neighbors.—Mrs. T. A. Mitchell, Linn County, Iowa.

We have been doing business with you for past six years and your seeds have all come up to your recommendations. It is a pleasure to do business with you.—J. D. H. Smith, Hornbeck, La.

I am very thankful for the seeds I bought of you last year. The crops were the very finest I ever raised in Missouri.—L. C. Cassy, Rogersville.

We received the seeds O. K. They are fine; such nice large packages. I am sure I will have good luck with them. Thank you for promptness.—Mrs. Dr. N. T. Baird, El Paso, Texas.

I have used your seeds for four years and they are by far the best I ever used.—Mrs. J. S. Leamer, Polo, Mo..

The seeds we purchased from you last year produced the finest vegetables we have ever raised. N. B. Larson, Powells, Nebr.

## FERTILIZE YOUR GARDEN

### Increase the Yield and Improve the Quality of Vegetables

Just a comparatively small amount of fertilizer will greatly improve the soil of the garden if the fertilizer contains the proper constituents. Ordinary manure, well rotted, will be beneficial but will not supply all the necessary elements for best results. Soiling crops plowed under will help a lot, but even these will not entirely meet the requirements. The one element most necessary (Potash) is a mineral salt and is most readily obtained in commercial form. As the best help to increase the vegetable crops and to stimulate quick growth which results in extra quality, we have prepared

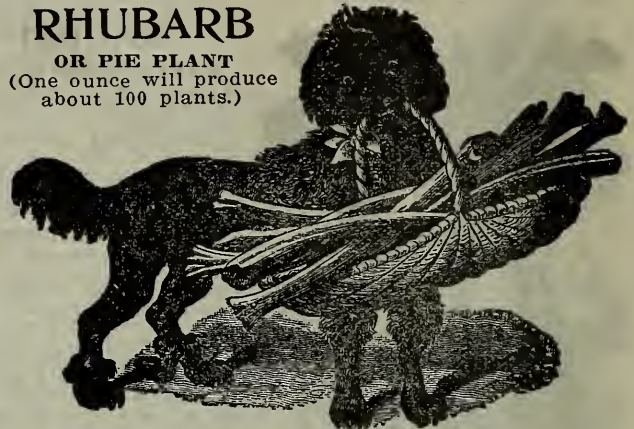
## OUR PEERLESS GARDEN GROWER

Registered in the Office of Iowa Dairy and Food Commissioner.

The laws of our state require that the composition of all mixed fertilizers be filed in the office of the State Dairy and Food Commissioner and that the manufacturer shall pay a fee as a guarantee of quality. We have complied with the law in the making of our Peerless Garden Grower. It is compounded under our own directions and contains humus, nitrogen and potash in just the right proportions for the growth of all vegetables. You cannot appreciate the difference in vegetables that are given good cultivation and plenty of plant food in easily assimilated form, until you have tried for yourself. You do not require a great amount of Peerless Garden Grower. Use at the rate of 50 lbs. to 2,500 square feet, applied broadcast just before plowing the ground. The effect will be seen in the vegetable growth the whole summer. By freight, not prepaid, per 10 lbs. 50c, 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00, 500 lbs. \$14.00.

## RHUBARB

OR PIE PLANT  
(One ounce will produce about 100 plants.)



IDEAL MAMMOTH RHUBARB

Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds three feet apart each way.

For price of rhubarb roots see page 38.

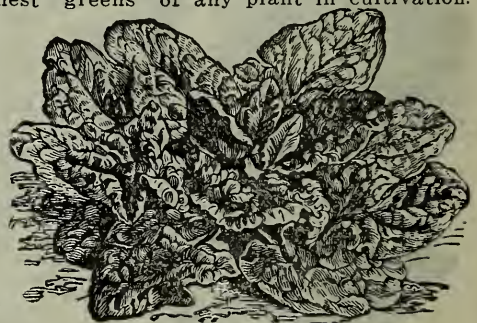
**IDEAL MAMMOTH.**—This new variety, which is decidedly the finest and best of all, originated with Dr. Kennicott, of Illinois. The stalks are much larger than the Victoria or any other sort and are also produced in much greater abundance. Like all other highly improved sorts it seeds sparingly and comes more nearly true to name when grown from seed than most other sorts. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**VICTORIA.**—For many years the standard variety of rhubarb. The stalks are not so large as the Ideal Mammoth, but are preferred by many on account of their more piquant and richer flavor. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

## SPINACH

(One ounce will sow about 80 ft. of drill, 10 lbs. to acre.) Makes the finest "greens" of any plant in cultivation.

For summer sow early in spring in deep, rich soil, one foot apart in drills; cover one inch; sow at intervals of two weeks all through season. For very early use sow first of September and protect with straw.



VICTORIA SPINACH.

### VICTORIA.

A variety distinguished by exceedingly dark, black-green color and for its very long standing qualities, being two or three weeks later than the ordinary varieties. The leaves are thick and spread out flat upon the ground. Is excellent for spring sowing, but not sufficiently hardy to withstand winter in this locality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 35c. By express, not prepaid, 5 lbs. or more at 25c per lb.

**LONG STANDING.**—Standard with gardeners; leaves thick, fleshy and crumpled, round, large, and dark green color; slow to run to seed. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 35c. By express, not prepaid, 5 lbs. or more at 20c per lb.

**BLOOMDALE.**—Savoy-leaved, curled sort, very popular in the south. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 35c.

**NEW ZEALAND.**—Very useful to supply the place of ordinary spinach during the hottest months of the year, or in dry, arid localities. A few plants will supply a family with this delicious vegetable from July until October. A distinct variety of merit. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



NEW ZEALAND SPINACH.



# SQUASH

(One ounce early varieties will plant about forty hills; one ounce late varieties will plant about twenty hills; 3 to 4 pounds per acre.)

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

**GOLDEN BUSH.**—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all and quite a favorite with all who like summer squash. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**WHITE BUSH SCALLOPED.**—Similar to Golden Bush. Color creamy white; an excellent sort for family garden for early use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

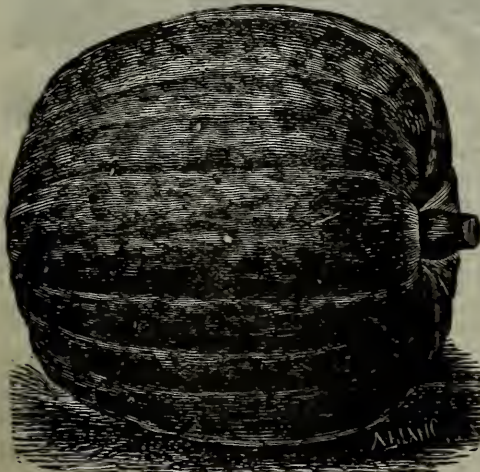
**EARLY BUSH CROOKNECK.**—Splendid sort, early, productive, very fine quality. With all new varieties recently brought out, many claim that there is no summer squash superior to this. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.



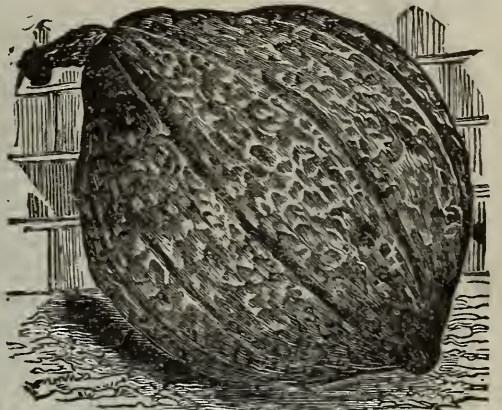
TABLE QUEEN SQUASH

**TABLE QUEEN SQUASH.**—Our illustration well shows the shape of this most excellent new variety. It is also shown in colors on the outside cover page of the catalogue, where it is offered as one of the items in our "Quality" vegetable collection. They are just the right size, averaging about 6 to 8 inches long and 4 to 6 inches in diameter. Color dark green, with sometimes a blotch of red at pointed end. Shell is hard and smooth and is ridged as shown in the picture. Just wash it clean, cut it in half, take out the seeds, bake twenty minutes and you will have the most delicious squash you ever tasted. Splendid for pies because of its sweetness and dainty flavor. Ripens in the fall and keeps as long as Hubbard. A novelty which we introduce in full confidence, as it has already established itself a favorite on the Des Moines market. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**NEW HESTER.**—Extra choice new variety, which we introduced. It is unusual shape as the stem end is the larger and it tapers to a blunt point at the blossom end. The color is a pinkish yellow slightly striped at point with light green. Early and can be used as summer squash, but they are superior for winter. When stewed or steamed are dryer than when baked and make delicious pies. It is really a quality sort. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



MAMMOTH CHILI SQUASH.



EARLY PROLIFIC MARROW SQUASH

**PERFECT GEM.**—Is a strong grower, as many as twenty-four squashes having been produced on a single vine. Squashes are from 4 to 6 inches in diameter; of a creamy white, with thin, smooth shell, slightly ribbed. Flesh when cooked is dry, sweet and rich in flavor. It is a splendid keeper. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. \$1.00.

**TRUE HUBBARD.**—This old variety for years has stood the test of all rivals and is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and rich flavor; keep in perfect condition through the winter. Our stock is grown on our Altoona farms and is selected for thick flesh and solidity. It has been given our special care for a period of years and is of the highest type. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lbs. 30c, lb. \$1.00.

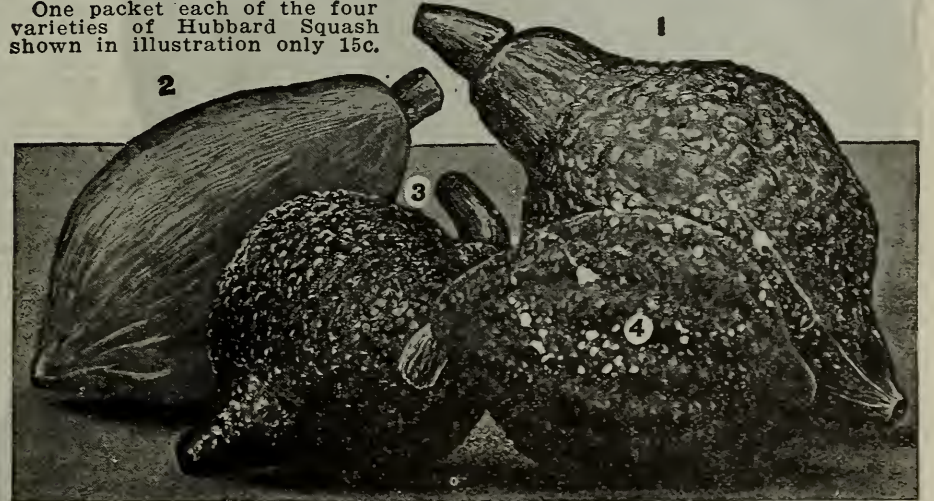
**WARTY HUBBARD.**—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the very best features of a long-keeping squash. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25.

**BLUE HUBBARD, or Marblehead.**—A splendid winter variety. Shell light blue; flesh similar to the Hubbard in quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**GOLDEN HUBBARD, also called Red Hubbard.**—This is a counterpart of the old Green Hubbard, except in color, which is a bright, deep orange yellow; much richer in color than Hubbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the green variety. This is a squash that every market gardener should plant, for it is a "seller." Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

## COLLECTION OF HUBBARD SQUASHES

One packet each of the four varieties of Hubbard Squash shown in illustration only 15c.



FOUR HUBBARD SQUASHES

No. 1, True Hubbard; No. 2, Blue Hubbard; No. 3, Warty Hubbard; No. 4, Red Hubbard.

**DELICIOUS.**—On our place this has proved to be a most desirable new winter variety. Color of the skin is green, with an occasional blue specimen, about the same size as the Hubbard, weighing 5 to 10 lbs. Has very thick flesh, cooks dry and is of superior flavor. Although a good fall variety it is in its best condition during the winter. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**EARLY PROLIFIC MARROW.**—Early and productive, the two most important features for the market gardener, while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with consumers. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**PEERLESS VEGETABLE MARROW.**—In England they consider the Vegetable Marrow far superior to any variety of squash, but for some reason it has never become popular here. The Peerless is, we believe, the most desirable sort, fruits being of handsome shape, creamy white color, very large size, of excellent flavor. Very productive. Cultivate like squash. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**MAMMOTH CHILI.**—The "Jumbo" of the squash family. Outer color rich orange yellow; skin is quite smooth with wide fissures. Flesh very thick and of a yellow color. Keep well and are profitable for stock. Have been grown to weigh over 200 pounds. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

*I was very well pleased with the squashes which I raised from your seed last year. They matured well though planted very late.*—Frank Blanchard, Port Alleghany, Pa.



PEERLESS VEGETABLE MARROW

IF YOU RAISE MORE SQUASHES THAN YOU CAN SELL, THE LIVE STOCK WILL EAT THEM



# TOMATO

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past, transplant to open ground, four to six feet apart each way. Well manured, light, sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain from 500 to 1,000 seeds.

**SPARKS' EARLIANA.**—Probably no early tomato introduced in many years has attracted so much attention and has so large a sale as Sparks' Earliana. It is not only extremely early, but is remarkable for its large size, handsome shape, and beautiful bright red color. Its solidity and fine qualities are fully equal to many of the best late sorts. Extra early tomatoes are one of the most profitable crops for the market gardener as well as especially desirable in the home garden. You will make no mistake in planting the Earliana. Pkt. 10c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

**MATCHLESS.**—Well worthy of its name, for in beauty, color and symmetry of form it is indeed without a peer. Vines are of strong, vigorous growth, well set with fruit, which is entirely free from core, of finest flavor, very rich cardinal red color, and not liable to crack from wet weather; of large size, and the size of the fruit is maintained throughout the season. Solid, of fine quality and keeps well. Pkt. 5c, oz. 30c, ¼ lb. 90c, lb. \$3.00.

**LIVINGSTON'S BEAUTY.**—Originated with the late Mr. A. W. Livingston, of Franklin County, Ohio, and is one of the best ever introduced. Its size, beauty, shape, color, flavor, durability and productiveness make it desirable to growers. Pkt. 5c, oz. 30c, ½ lb. 85c, lb. \$2.75.

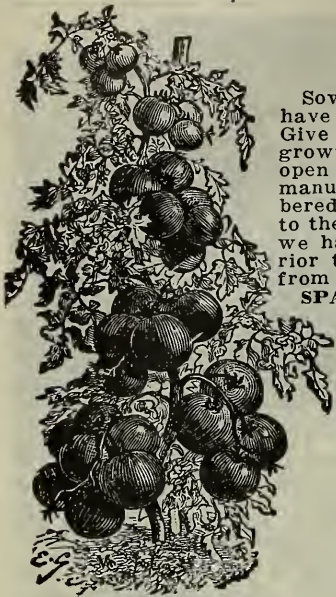
**ACME.**—Valuable for early market; medium size, color a glossy red with purplish tinge. Pkt. 5s, oz. 25c, ¼ lb. 75c, lb. \$2.50.

**PERFECTION.**—Large and round, smooth, handsome red fruit of highest quality. It proves very satisfactory for forcing under glass. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

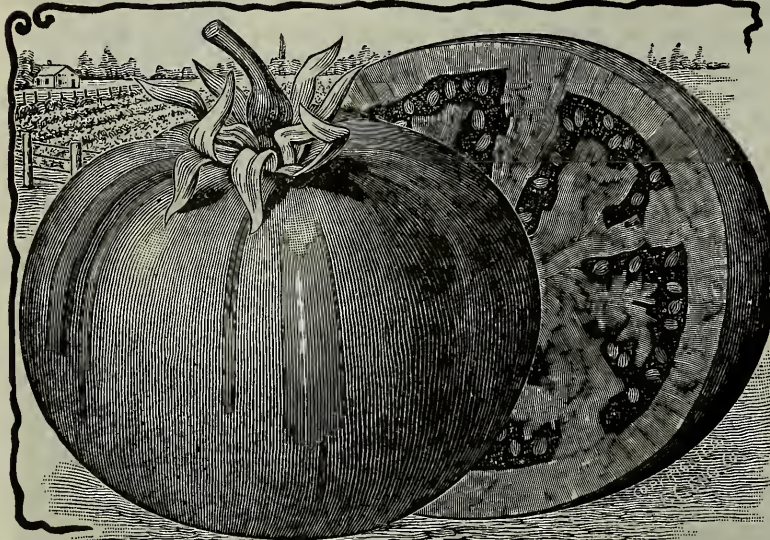
**DWARF CHAMPION.**—Habit of growth peculiar, for not only is it dwarf and compact, but the stem being stiff and short jointed, it is almost self-supporting when laden with fruit. Early, of a purplish pink color; smooth, symmetrical, solid and of fine quality. Best variety to grow for plants for sale as they are so stocky. Pkt. 5c, oz. 30c, ¼ lb. 90c, lb. \$3.00.

*I must say your garden seeds are first class and the largest packets I ever received from any company.*—Mrs. Clarence Barker, Atwater, Ohio.

*Your seeds are the best I ever got anywhere. I had a very fine garden from your seeds, and will recommend them whenever I can.*—Mrs. Christ H. Westby, Burlington, Wis.



LIVINGSTON'S BEAUTY



MATCHLESS.

**JUNE PINK.**—This may briefly be described as a pink Sparks' Earliana. About ten days earlier than most of the early sorts. Fruits medium size, smooth, without cracks or green core. Skin is tough, thus making it a good shipper. Color is bright pink. Pkt. 5c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

**JAPANESE CLIMBING.**—A great novelty. Beyond comparison the tallest growing variety that we know of, growing 10 to 12 feet high and bearing fruit way to the tip. Fruits are of a nice medium size, of fine beautiful shining crimson color. They are produced in great clusters and the plant is productive and a continuous bearer. One plant properly trained on a trellis will produce more fruit than a dozen ordinary tomato plants. Fruits contain few seeds and are of superior flavor. If the seed is started early in the house they will begin fruiting in July and one or two well developed plants will produce enough fruit for a small family the entire season, and every owner of a garden, no matter how small, should grow this wonderful tomato. Pkt. 10c, oz. 40c, ¼ lb. \$1.25.



JAPANESE CLIMBING.

**GOLDEN QUEEN.**—Best of the large, common yellow varieties. Fruit smooth, of finest flavor; ripens evenly; a handsome sort. Pkt. 5c, oz. 25c, ¼ lb. 90c, lb. \$3.00.

**PONDEROSA.**—Very large, inclined to be irregular in shape, but of fine quality. Purplish red. Pkt. 5c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

**CRIMSON CUSHION.**—Persons having only a small garden will appreciate this as it can be grown on trellises and in this way three to four times as much fruit can be grown on same space. Grows 7 to 10 feet high, if desired, but as most of fruit is borne three or four feet from the ground, well out of reach of chickens, it is just as well to trim off tips. Fine quality, extremely large and excellent for slicing or canning. Pkt. 5c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

**WONDER MAGNUS.**—Of very good size, deep, rich, red color, very solid and containing very few seeds. We secured this variety from the introducers, and as many of our customers know it favorably we do not hesitate to recommend it to all of our patrons. A favorite for canning purposes because of color. Each season seems to add to its popularity for all purposes. Pkt. 5c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

**MIXED TOMATOES.**—For the benefit of our customers who would like to try all kinds, we offer this mixture of many sorts. Pkt. 5c, oz. 25c, ¼ lb. 75c.



SPARKS' EARLIANA.



JUNE PINK



## TOMATO===Continued

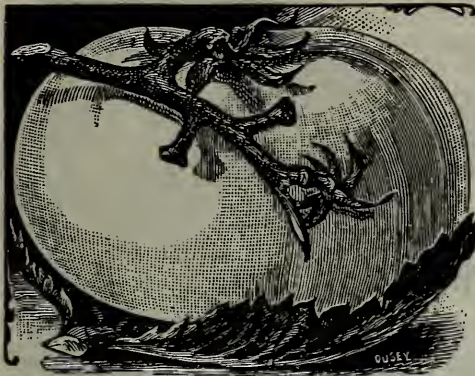
**DWARF STONE.**—This is a dwarf, upright growing plant with fruits fully as large as the standard Stone variety. In this sort all the advantages of the stocky, strong-growing plant are fully maintained and the fruits are held up well, while it is far superior to any of the other dwarf kinds in size. Color and quality of fruit is high class and we consider this a really desirable addition to the already large list of tomatoes. Offered in the "Quality" vegetable collection on the outside cover page of the catalogue. Pkt. 10c, oz. 35c, ¼ lb. \$1.20, lb. \$3.50.

**STONE.**—One of the best of all standard sorts. Color is a bright red. Fruit is of large size, perfectly smooth and of best table quality in every respect. It is a famous main crop tomato in many sections, both north and south, and is much used for canning. Productive and the fruit bears shipment well. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.75.

## GRAND TOMATO TRIO

## THE THREE MAJESTICS

One Packet Each of the Three Majestics 25c



GOLDEN MAJESTIC.

**GOLDEN MAJESTIC, the \$1,800.00 Tomato.**—A magnificent new variety which originated in northern Iowa, and we were so favorably impressed with it that we bought all the stock in existence and paid for same at the rate of \$1,800.00 per lb. It is the golden member of the great triumvirate, fully equal to its elder brothers in size, solidity, yield and flavor. Without hesitation we pronounce it the grandest yellow tomato in existence. The tomato is undoubtedly the most popular vegetable in America, and nothing presents a more opetizing appearance on the table than thick, luscious slices of alternating purple, red and yellow, cut from our Majestics. A trial will convince you of their superior qualities. Pkt. 15c, oz. \$1.00.

**MAJESTIC.**—The largest, handsomest and finest quality tomato ever sent out. When we first secured this grand sort we knew that it was of exceptional merit, and superior in size and flavor to anything on the market, but were astonished at the reports received from our customers. Thousands of letters arrived speaking of it in highest praise. Undoubtedly the largest fruited of any, and the fruit is solid, weighing more than its size would indicate. The first fruits matured are somewhat rough, but later they are smooth and handsome; of a rosy red color, ripening evenly all over, way up to the stem. When cut it is a rich coral red color, its core blending into delicate shell-rose tints. Fruit is unusually solid, very small seed cells, few in number and near the surface. Flesh is tender fine-grained and rich, yet of mild, delicate flavor, being of the sub-acid class. Plant is of vigorous growth from start to finish. Many of our customers reported specimens weighing 3 lbs. to 7 lbs. each. The largest were, of course, grown by special culture, allowing only one or two fruits to ripen on a plant. In this way the whole strength of the vine goes to the fruit and the size is increased greatly. There were also many reports of 120 to 160 lbs. of tomatoes grown on one plant. Pkt. 10c, oz. 50c, ¼ lb. \$1.50, lb. \$5.50.

**RED MAJESTIC.**—This new variety appears to have all the good qualities as well as the large size of the world-renowned Majestic, but it is of a bright cardinal red in color, and for this reason may be preferred by some. It is also of special value for growing on a trellis and will quickly cover a support six or eight feet high, and bears its fruit well up from the ground, out of reach of the chickens. Many growing both this and the Purple Majestic pronounce the red variety superior. Pkt. 10c, oz. 50c, ¼ lb. \$1.50, lb. \$5.50.

## MAJESTIC TOMATO PLANTS

Strong, Well Grown Transplanted Plants

Majestic.....	per doz.	40 cts
Red Majestic.....	"	40 "
Golden Majestic.....	"	40 "

One Dozen of Each, only \$1.00 postpaid



GOLDEN NUGGET TOMATO.

## FROM THE SUNNY SOUTH

*I have used your seed for the three past years and find them to be the best seed and the fullest packages I ever bought. I cannot say too much in their favor. My garden was the finest and my yard the prettiest in the community last year.—Mrs. T. W. Humphries, Notasulga, Ala.*



Plant of Majestic Tomato grown by W. R. Long, Iowa Co., Iowa.

## PRESERVING TOMATOES

**GOLDEN NUGGET.**—When at the Royal Agricultural Show in England, our attention was especially attracted by this grand new variety. Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Flavor exceptionally fine, and a most desirable variety for eating from the hand or as a dessert fruit. We have grown them now both on our farm and at our trial grounds, and were more than pleased. Plants were loaded down with most beautiful rich golden yellow fruits of delicious flavor. Try them. Extra fine. Pkt. 10c, oz. 75c.

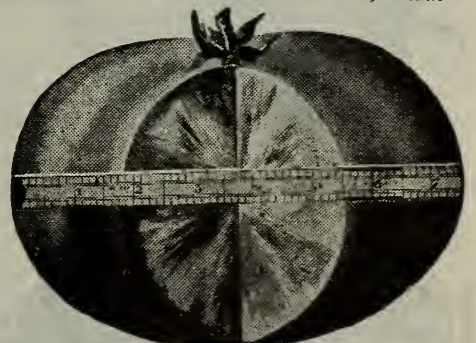
**RUBY NUGGET.**—This we consider one of our most fortunate discoveries. It is a sport from the Golden Nugget, discovered in a field of that variety which we were growing for a seed crop. In shape of fruit, great productiveness and fine flavor it is the equal of the yellow variety, while the color is the popular bright red tomato color. Pkt. 10c, oz. 75c.

**PEACH.**—Named from a resemblance to a peach in size and shape. The color is a peculiar shade of pink and orange, differing from ordinary tomatoes. A fine sort for preserving. Pkt. 10c, oz. 40c.

**YELLOW PEAR.**—A favorite with all who know them. Fruit is pear-shaped and of a deep yellow color. Highly valued as a table delicacy raw, also for preserving or to make "tomato figs"; fine pickled. Pkt. 5c, oz. 30c, ¼ lb. 75c.

**CRIMSON CURRANT.**—Most charming little fruit, hardly more than a half inch in diameter, of bright crimson color; borne in long clusters containing 20 to 60 tomatoes. Excellent for eating from the hand or preserved. Pkt. 10c, oz. 60c.

**STRAWBERRY, or Husk Tomato.**—Also called Ground Cherry. Plants are of spreading habit and immensely productive. Pkt. 5c, oz. 30c.



RED MAJESTIC.

THERE ARE NO TOMATOES IN THE WORLD SUPERIOR TO OUR THREE MAJESTICS



# TURNIP

One ounce will sow 150 feet of drill.  
Two pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower if possible.

**EXTRA EARLY PURPLE TOP MILAN.**—One of the earliest sorts in cultivation. Bulb very flat, medium size, quite smooth, with a bright purple top; leaves few, short, and light color; grows compact and makes exceedingly small strap-leaved top. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.20.

**EARLY WHITE MILAN.**—Much like the above, but is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**EARLY SNOWBALL.**—A globe-shaped, white-skinned turnip, very fine grained, firm and of delicate flavor. One of best keeping of white fleshed sorts, very early and particularly adapted for family or market use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**WHITE EGG.**—A quick-growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. Flesh very sweet, firm and mild, never having any rank, strong taste. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**GOLDEN BALL, or Orange Jelly.**—A beautiful bright yellow turnip of medium size and universally sweet and delicious flavor. Is hardy and one of the best keepers. Flesh extremely firm and solid. Brings good price on market. If you have never tried yellow turnips we advise you to plant some of the Golden Ball in your home garden this year. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**PURPLE TOP GLOBE.**—Similar to the Purple Top Strap Leaved except shape. The largest yielder of any turnip on the list and always brings top market price. Desirable for table use or for stock. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, 45c per lb.

**PURPLE TOP STRAP LEAVED.**—The standard for this part of the country for late planting, and we sell immense quantities of it every year. One of the best table and stock sorts on the market; fine grained and of mild flavor. Of

good size, flat shape, pure white below with purplish red top. Good cropper and excellent keeper. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c; 5 lbs. or more, not prepaid, at 45c.

**COW HORN.**—This variety pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**SCARLET KASHMYR.**—This new extra early, bright scarlet turnip has a striking resemblance to a large radish. The flesh is white and crisp. Matures almost as quickly as the earliest radish, and when cooked is of unsurpassed quality. Good keeper and entitled to a place among garden favorites. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**SEVEN TOP.**—Cultivated extensively in the south for the tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root, and is recommended only for tops. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

## RUTA BAGA

Largely grown in the north for stock feeding, and for this are superior to turnips. Sow not later than June in drills 2 feet apart and thin out to 8 inches in the row.

**IMPROVED AMERICAN.**—Very solid, fine quality, good shape, smooth skin, small neck, keeps well. A choice strain of the very best quality for table use or stock feeding. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c, 5 lbs. or more, not prepaid, at 40c.

**MONARCH.**—This grand new and distinct form of ruta бага is, we believe, by far the most productive of all. Of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained, good quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c, 5 lbs. or more, not prepaid, at 55c per lb.

**WHITE SWEET GERMAN.**—Large size, oval and very solid; flesh pure white, sweet. Best keeping sort. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, at 45c per lb.

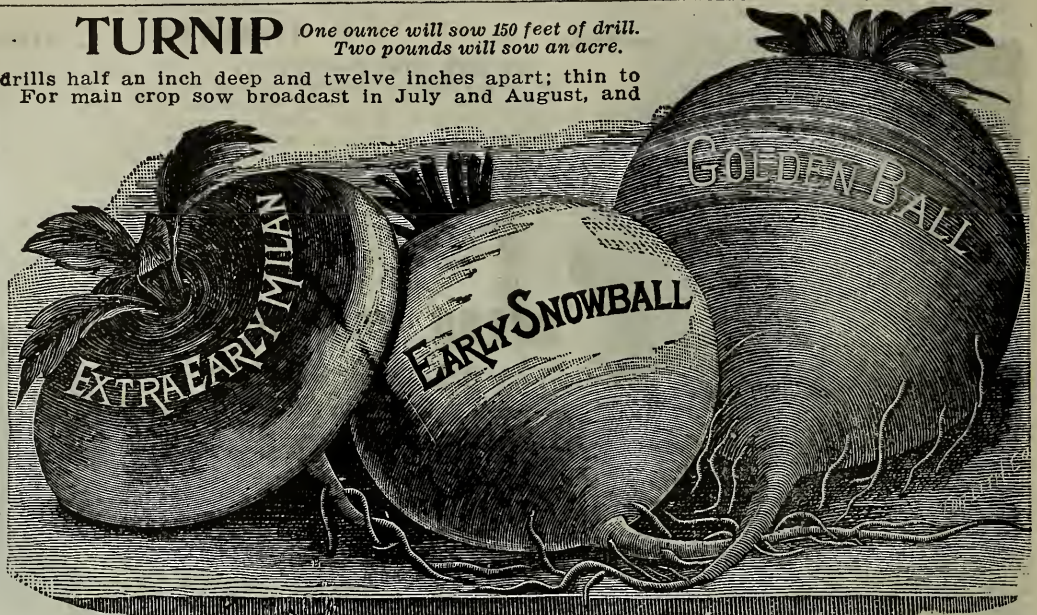
## TOBACCO

**BIG ORONOCO.**—A favorite Virginia variety. Grows very large, broad leaves. A fine variety for dark plug wrappers and brings a good price in the market. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

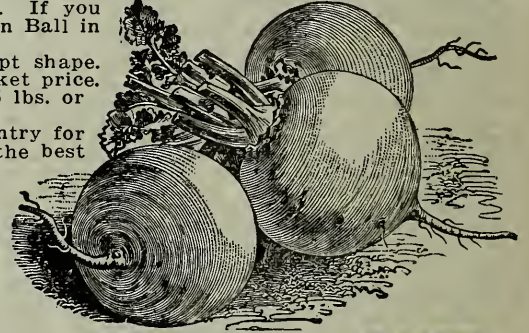
**CONNECTICUT SEED LEAF.**—This is a staple variety in all sections of the country and will grow successfully over a wide range of territory. Used for cigar fillers. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**HAVANA.**—The best known variety, as it is used very largely for cigar wrappers. Commands the highest market price when well grown and cured. Pkt. 5c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**WHITE BURLEY.**—A mild and sweet tobacco. It is the standard main crop variety in the tobacco sections as it is extra fine for manufacturing in nearly every manner that tobacco is used. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.



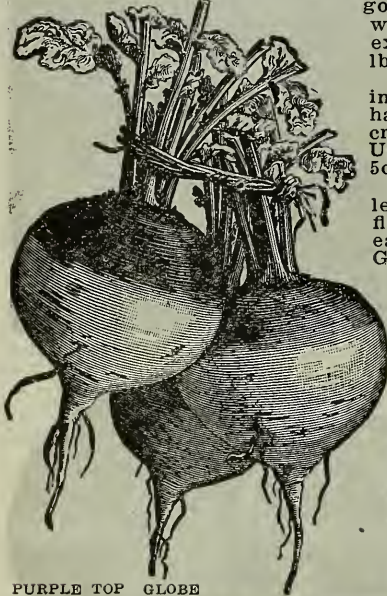
**MIXED TURNIPS.**—All the table varieties mixed in equal proportions. For family use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.



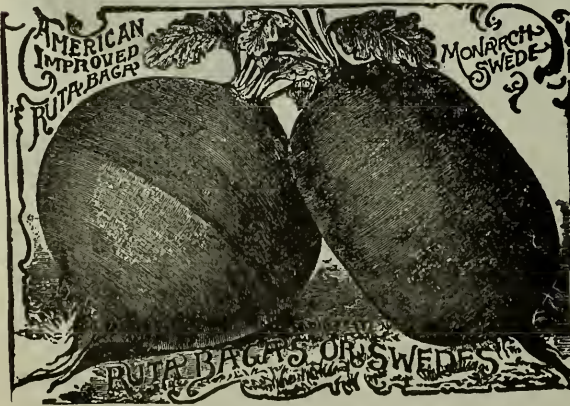
WHITE EGG.



PURPLE TOP STRAP LEAF



PURPLE TOP GLOBE



TOBACCO



## HERBS

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly and packed closely and entirely excluded from air. Those marked with an asterisk (\*) are perennial.

**ANISE.**—Seeds of agreeable, aromatic taste. Pkt. 5c; oz. 10c.

**BALM.**—For making balm tea. Pkt. 5c; oz. 25c.

**BASIL, SWEET.**—For flavoring soups, stews, etc. Pkt. 5c; oz. 15c.

**BORAGE.**—Leaves used for flavoring. Pkt. 5c; oz. 15c.

**\*CARAWAY.**—Seeds are used for flavoring bread, etc. Pkt. 5c; oz. 10c.

**\*CATNIP, or Catmint.**—For seasoning. Pkt. 5c; oz. 30c.

**CORIANDER.**—Seeds used in confectionery. Pkt. 5c; oz. 10c; ¼ lb. 25c.

**CASTOR OIL PLANT.**—Seeds are pressed out to obtain oil. Pkt. 5c; oz. 10c; ¼ lb. 20c, lb. 50c.

**\*CHAMOMILE.**—Largely used for medicinal purposes. Pkt. 10c; oz. \$1.50.

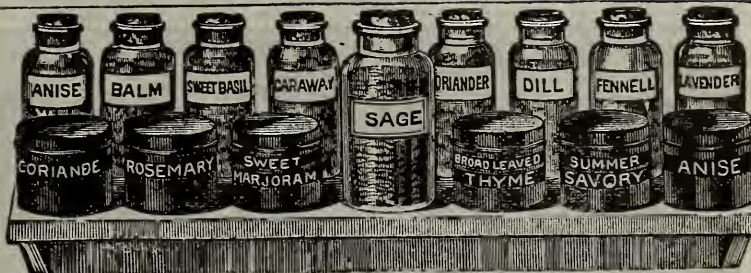
**\*DANDELION.**—Grown for greens, also for medicine. Pkt. 5c; oz. 35c.

**DILL.**—Used in making dill pickles. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

**\*FENNEL, SWEET.**—Leaves used in sauces. Pkt. 5c; oz. 10c.

**\*HOREHOUND.**—For seasoning and cough remedy. Pkt. 5c; oz. 20c.

**\*HYSSOP.**—For asthma and catarrh. Pkt. 5c; oz. 20c.



**\*LAVENDER.**—Used as a perfume. Pkt. 5c; oz. 15c.

**MARJORAM, SWEET.**—For seasoning. Pkt. 5c; oz. 15c.

**POPPY, or Maw.**—Blue Seeded. Pkt. 5c; oz. 10c.

**\*ROSEMARY.**—Aromatic leaves used for seasoning. Pkt. 5c; oz. 40c.

**\*RUE.**—For medicinal uses; good for fowls. Pkt. 5c; oz. 15c.

**SAFFRON.**—Flowers used for coloring. Pkt. 5c; oz. 15c.

**\*SAGE.**—Much used for dressing. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

**SUMMER SAVORY.**—Used for flavoring. Pkt. 5c; oz. 10c; ¼ lb. 30c.

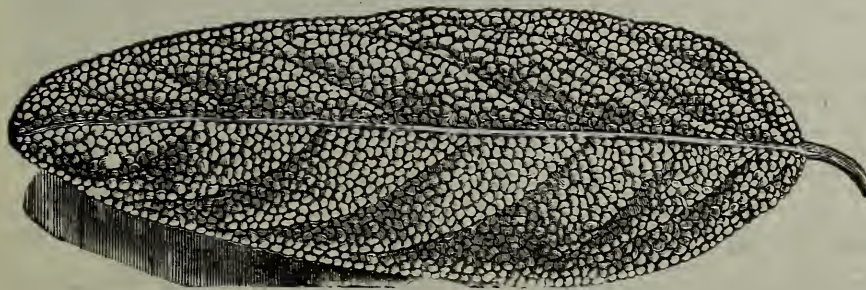
**SWEET WOODRUFF.**—A sweet-scented herb; forms the principal ingredient of the famous German Maitrank. Pkt. 5c; oz. 50c.

**\*TANSY.**—Cultivated for medicinal purposes. Pkt. 5c; oz. 40c.

**\*THYME.**—Leaves and young shoots used for seasoning. Pkt. 5c; oz. 40c.

**\*WORMWOOD.**—Used medicinally, and also for poultry. Per pkt. 5c; oz. 20c.

**MIXED VARIETIES.**—A mixture of all the above. A nice garden assortment. Pkt. 5c; oz. 15c; ¼ lb. 45c.



HOLT'S MAMMOTH SAGE—AVERAGE SIZE LEAF

**ARTEMISIA, or Broom.**—A hardy plant sometimes called "Old Man." The leaves have a pleasant odor and bitter taste. Use similar to wormwood. Each 15c; 3 for 40c.

**BALSAM MINT.**—Has a soft, agreeable fragrance and is used for perfume; also used for flavoring soups, salads, etc. Each 15c; 3 for 40c.

**CALAMUS—Plain Leaf.**—(Acorus.)—Also called "Sweet Flag." Leaves have an aromatic odor and roots a pungent taste. Grows in wet soil or beside ponds, but can be grown in dry places also. Each 15c; doz. \$1.50.

**Variegated.**—A variegated-leaved variety of the sweet flag which is preferred to the plain because in addition to its medicinal qualities it is useful as an ornamental plant. Each 15c; doz. \$1.50.

**CHIVES.**—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. Plant in small clumps in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots per bunch 10c; 3 for 25c; doz. 85c.

**CATNIP, or Catmint.**—A well known perennial herb having great medicinal value. Used largely for infants. Ea. 10c; 3 for 25c; doz. 75c.

**HOP ROOTS—English Cluster.**—A fine variety of commercial hops. The vines are very ornamental when trained over rockeries, stumps, etc., with the added value of usefulness from the crop produced. Each 10c; 3 for 25c; doz. 75c.

**LEMON MINT.**—Also called Citronelle and Bergamot Mint. A perennial, hardy herb, leaves of which furnish a sweet lemon fragrance and flavor. Each 10c; 3 for 25c; doz. 75c.

**MONARDA DIDYMA.**—Also called Scarlet Bergamot and Oswego Tea. Not only useful as an herb, but very ornamental for its bright scarlet flowers. Each 10c; 3 for 25c; doz. 75c.

**PEPPERMINT.**—All children know and like the flavor of peppermint. It has a high medicinal value. Each 10c; 3 for 25c; doz. 75c.

**GENUINE PENNYROYAL.**—Warm, pungent, of somewhat aromatic taste; used for medicinal purposes. Each 15c; 3 for 40c; doz. \$1.25.

**ROSEMARY.**—Used for perfume; for flavoring meats, stews, etc., and garnishing. Each 10c; 3 for 25c; doz. 75c.

**HOLT'S MAMMOTH SAGE.**—Great improvement on common sage. Plants very strong growing, first season attaining one foot in height, and so spreading that a single plant covers space three feet in diameter; leaves are borne well above the soil; very large and of unusual substance, strong in flavor and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common sort; hardy. Each 10c; 3 for 25c; doz. 75c.



ENGLISH CLUSTER HOP



CHIVES

## GARDEN PLANTS AND ROOTS

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants must amount to at least twenty-five cents. We pay the postage.

**LAVENDER.**—A favorite plant with our grandmothers for perfuming wearing apparel, by distributing its sprays in the bureau drawers. Each 10c; 3 for 25c.

**VARIEGATED MAMMOTH SAGE.**—Beautifully variegated dark green and pure white color, which makes it a very ornamental plant; equal to Holt's in productiveness and flavor; new and scarce. Each 15c; 3 for 35c.

**SPEARMINT.**—This is commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meats, mint julep, etc. Each 10c; 3 for 25c; doz. 75c.

**THYME.**—A well known plant which is used for sauces and flavoring. Each 10c; 3 for 25c.

**TANSY.**—Used largely for its tonic, stomachic and other medicinal qualities. Each 10c; 3 for 25c; doz. 75c.

**TARRAGON.**—The true tarragon is appreciated thoroughly by all who know of it, for the use of its aromatic leaves in seasoning salads, soups, pickles, etc., and also for tarragon vinegar. Each 15c; 3 for 40c; doz. \$1.25.

### HOUSEWIFE HERB COLLECTION

3 bunches Chives, 1 Hop Vine, 2 Holt's Mammoth Sage, 2 Lavender, 1 Rosemary and 3 Spearmint; all postpaid for \$1.00.



TARRAGON

NO PANTRY IS REALY COMPLETE IN WINTER WITHOUT ITS ASSORTMENT OF HERBS





Well grown and lightly packed to carry a long distance. They can be shipped fresh, well packed at the beds, on a day's notice. All are strong, transplanted plants unless otherwise stated. Plants quoted "by mail" are sent at our expense; "by express" the purchaser is to pay the express charges. No charge either for packing or boxes. Plants from either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. 500 sold at 1,000 rate. Large orders for more than 1,000 plants should be placed at least 30 days before shipping date.

#### EARLY CABBAGE.

Transplanted ready April 10.  
**Extra Early Express.**  
**Early Jersey Wakefield.**  
**Washington Wakefield.**  
**All-Head Early.**  
 By mail postpaid, 25 for 35c, 100 for \$1.00. By express, not prepaid, 100 for 85c, 1,000 for \$7.50.

If preferred we can furnish seedling plants, not transplanted, by mail postpaid, 25 for 25c, 100 75c. By express, not prepaid, 100 for 60c, 1,000 for \$4.00.

#### LATE CABBAGE.

Ready May 15; field grown after June 15.

**Premium Flat Dutch.**  
**Short Stem Drumhead.**  
**Danish Ball Head.**

By mail postpaid, 25 for 25c, 100 for 65c. By express, not prepaid, 100 for 45c, 1,000 for \$3.50.

#### CELERY.

Transplanted ready May 1.  
**White Plume.** **Giant Pascal.**  
**Golden Self Blanching.**  
 By mail postpaid, doz. 20c, 100 for 75c. By express, not prepaid, 100 for 60c, 1,000 for \$4.50.

After June 15 we can furnish outdoor grown plants, not transplanted, by express, not prepaid, 100 for 40c, 1,000 for \$3.00.

#### CAULIFLOWER.

Transplanted ready April 15.  
**Henderson's Snowball.**  
 By mail postpaid, doz. 25c, 100 for \$1.50. By express, not prepaid, 100 for \$1.25, 1,000 for \$10.00.

#### TOMATO.

Transplanted ready May 1.  
**Sparks' Earliana.** **Beauty.** **Stone.**  
**Dwarf Champion.** **Matchless.**  
 By mail postpaid, doz. 25c, 100 for \$1.40. By express, not prepaid, 100 for \$1.00, 1,000 for \$7.50.

Not transplanted, by express, not prepaid, 100 for 75c, 1,000 for \$5.00.

#### SPECIAL TOMATO.

Transplanted plants only.  
**Majestic.** **Red Majestic.**  
**Yellow Majestic.** **Dwarf Stone.**  
 By mail postpaid, doz. 40c, 100 \$2.00.  
**Pot Grown Plants,** doz. 75c, postpaid.

### VEGETABLE PLANT COLLECTION

#### JUST ENOUGH FOR THE HOME GARDEN

It often happens that you would prefer to buy a few vegetable plants rather than bother with growing from seed. We appreciate this fact and offer you the following collection of vegetable plants in such way as to make it a veritable bargain:

12 Tomatoes, 25 Early Cabbage, 6 Pepper, 6 Egg Plant, 25 Celery, 50 Sweet Potatoes. All by mail, postpaid, for \$1.00.

### ASPARAGUS ROOTS

It pays to have a small bed of asparagus so as to gather it fresh, and when once set, a bed will last many years. Our roots are strong and healthy. We recommend the one-year-old roots as more desirable for general planting than the two-year-old, as well as cheaper. Ask for circular giving directions for planting.

**CONOVER'S COLOSSAL.**—One year plants.—Per doz. 25c, 100 for 90c, postpaid. By express or freight, not prepaid, 100 for 60c, 1,000 for \$4.00.  
**Two year plants.**—Per doz. 50c, 100 for \$1.40, postpaid. By express or freight, not prepaid, 100 for 90c, 1,000 for \$6.00.

**PALMETTO.**—One year plants.—Per doz. 30c, 100 for \$1.00, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for \$5.00.

**Two year plants.**—Per doz. 55c, 100 for \$1.50, postpaid. By express or freight, not prepaid, 100 for \$1.00, 1,000 for \$6.50.

**COLUMBIAN MAMMOTH WHITE.**—Per doz. 30c, 100 for \$1.10, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for \$5.00.

**Two year plants.**—Per doz. 55c, 100 for \$1.50, postpaid. By express or freight, not prepaid, 100 for \$1.00, 1,000 for \$6.50.



ASPARAGUS

### RHUBARB ROOTS

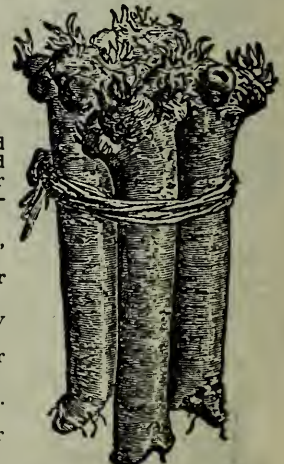
Everyone realizes the value of rhubarb or pie plant in the home garden. The best way to get a start is to purchase a few roots, as you can save one year's time in this way. The roots we offer are not seedlings but large divided plants. Plant in spring or fall, setting plants 3 feet apart each way.

**VICTORIA.**—The standard for general use. Each 15c, 5 for 70c, dozen \$1.50, postpaid. By express, not prepaid, per doz. \$1.00.

**IDEAL MAMMOTH.**—The largest and best variety. See description in vegetable seed department. Strong roots 25c each, doz. \$2.00, postpaid. By express, not prepaid, per doz. \$1.50.



GARLIC ROOTS.



HORSE RADISH SETS

### HORSE RADISH

Grow it in your own garden and grate fresh. Plant the sets small end down in rows 2 feet apart, about 18 inches apart in the row. It does best in rich, loose soil set slanting and covered about two to three inches. Doz. 15c, 100 75c, postpaid. By express, per 100 50c, 1,000 for \$4.00.

### GARLIC

Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. It is quite pungent and is used for flavoring soups, stews, etc. Per lb. 40c, postpaid. By exp., lb. 25c, 10 lbs. \$2.25.



# FARM SEED DEPARTMENT

EXPERT PRODUCTION

EXPERT SUPERVISION

EXPERT SERVICE

We are able to supply you with the choicest farm seeds it is possible to procure. Every item in the entire farm seed list is made a specialty and only the choicest seed of each is offered by us. Years of experience are behind the production and selection of our stocks and there is no place in America where the general line of farm seeds offered is of better quality or more carefully handled. The policy of our house is to try new things as offered and prove them good before advising our friends to buy them. No new variety of grains is listed simply to introduce a novelty. You cannot go astray in selecting from our catalogue because the corn, wheat, oats and other grains we offer are select strains of known varieties that have shown superiority in the fields. Our forage seeds are selected with greatest care and must show purity, plumpness and vitality before they are fit for our trade. The grass seeds we sell are of such exceptional quality that they have given us a national reputation as the house that handles the highest grades. We are ready to be judged in any way you wish to make the test. We will mail you free samples for inspection. We will ship your seeds subject to your approval, giving you fifteen days in which to test them, and if they are not satisfactory you may return them to us and we will return to you the money paid.

**WE HOLD THE TRADE OF OUR CUSTOMERS WITH QUALITY STOCKS.**

We could not afford to spend great sums of money for equipment, pay salaries for experienced men, and guarantee to please the customer unless we were sure of our ground—unless we did furnish seeds that would stand the closest inspection and give satisfaction. We have reason to believe we do give satisfaction because our business continues to expand; our sales for the months of March and April, 1912, totaling over \$227,000. This is an expression of confidence which we greatly appreciate and which should be evidence to you that we sell good seeds, and please our friends.

**PRICES** named in this department are always subject to important market changes. All quotations are net and are not subject to any premium or discount. Clover and grass seeds are constantly varying in value, and we issue a price list daily during the busy season. Please write for quotations, sending list of requirements when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

**SHIPPING.**—In this department everything that is quoted by the packet or pound is sent by mail, postpaid; all larger quantities, unless noted, are sent by express or freight at the expense of the purchaser. Prices named include bags and delivering to depot here.

**ABOUT WARRANTING.**—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. However, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the money paid for same will be refunded. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find we are right.



WAREHOUSE, 203-210-212 SOUTH EIGHTH ST., WHERE ORDERS FOR FARM SEEDS ARE FILLED.

**THE SINCERE EFFORTS AND SPLENDID FACILITIES OF OUR ENTIRE ESTABLISHMENT ARE AT YOUR SERVICE**

## OUR SHIPPING WAREHOUSE

Has side-track capacity for seven cars at once, and loading stations for five wagons at the same time. It houses the most modern electric cleaning machinery with capacity for 1,000 bushels of grass seed per day. It contains a seed drier which will thoroughly cure a car load of grain each day. The superintendent of this department has been with the house more than twenty years in that position, and the business has increased ten fold in that time.

## OUR EXPERIMENT GROUNDS

We make provision at our Altoona Farm for planting test plots of the various grains which we offer, and also to note the comparative growth of varieties offered by others. We also test new things as offered, so that we may catalogue only proven sorts and be better able to answer inquiries from customers. Our customers secure the benefits of all this painstaking care, and may be assured that the varieties of grain we offer are suited for their planting.

**WE THOROUGHLY CURE** our grain and seed corn. We purchased and erected in our warehouse a drier, especially for the purpose of kiln drying such of our seed grains and corn as might require artificial ripening to protect the germ. It will thus be seen that we have provided every possible protection for our customers so that they may be assured of clean, pure and vital farm seeds for their planting, and on this basis we ask your trade.

## OUR SEED CORN HOUSE

At Altoona, eleven miles east of Des Moines, is, we are sure, the best arranged and most complete building in America for this purpose. The outside walls are made up almost entirely of doors which can be lifted for ventilation and are in fact kept open all the time except during very cold or stormy weather. The interior arrangements consist mainly of very narrow high cribs with ventilators running through the entire length of them and narrow passages between the cribs. There is a very extensive system of steam pipes underneath which are used as needed for drying the corn and also to keep out moisture during foggy weather and to protect it from freezing.



OUR NEW SEED GRAIN ELEVATOR AT ALTOONA

## OUR NEW ELEVATOR

Erected two years ago at Altoona. We did not have room in the city for the immense amounts of grain necessary for our trade and we built this elevator with numerous separate bins; with a storage capacity so that we might have a place to store the excess seed grain until needed for shipment, and quickly execute large orders for car lots. It is equipped with electric cleaning and grading machinery to improve the quality of the grain as it comes in from the threshers, and we can handle a car load through the elevator in less than one hour if necessary.

## We Buy Under the Microscope

Our grass seeds are all subjected to a strict microscopic examination and test. Many lots are rejected because they contain weed seeds or other impurities that render them unfit for our trade. We will not offer to our farmer customers any grass seeds that we would not be willing to sow on our own farms. We give expert attention to recleaning all grass seeds received, taking out all sand, dirt and trash, and the result is that the grass seeds we offer are as good as money and skill can produce.



SEED CORN HOUSE AT ALTOONA

**NO CHARGE FOR BAGS. THEY ARE FURNISHED FREE WITH SEEDS AT CATALOGUE PRICES.**



It costs less than 45 cents  
an acre to use our carefully  
selected SEED CORN.

# SEED CORN

Do you deem it wise to risk  
doubtful corn when GOOD  
SEED is so cheap?

## GROWN, SELECTED, CURED, GRADED AND TESTED BY THE IOWA SEED COMPANY

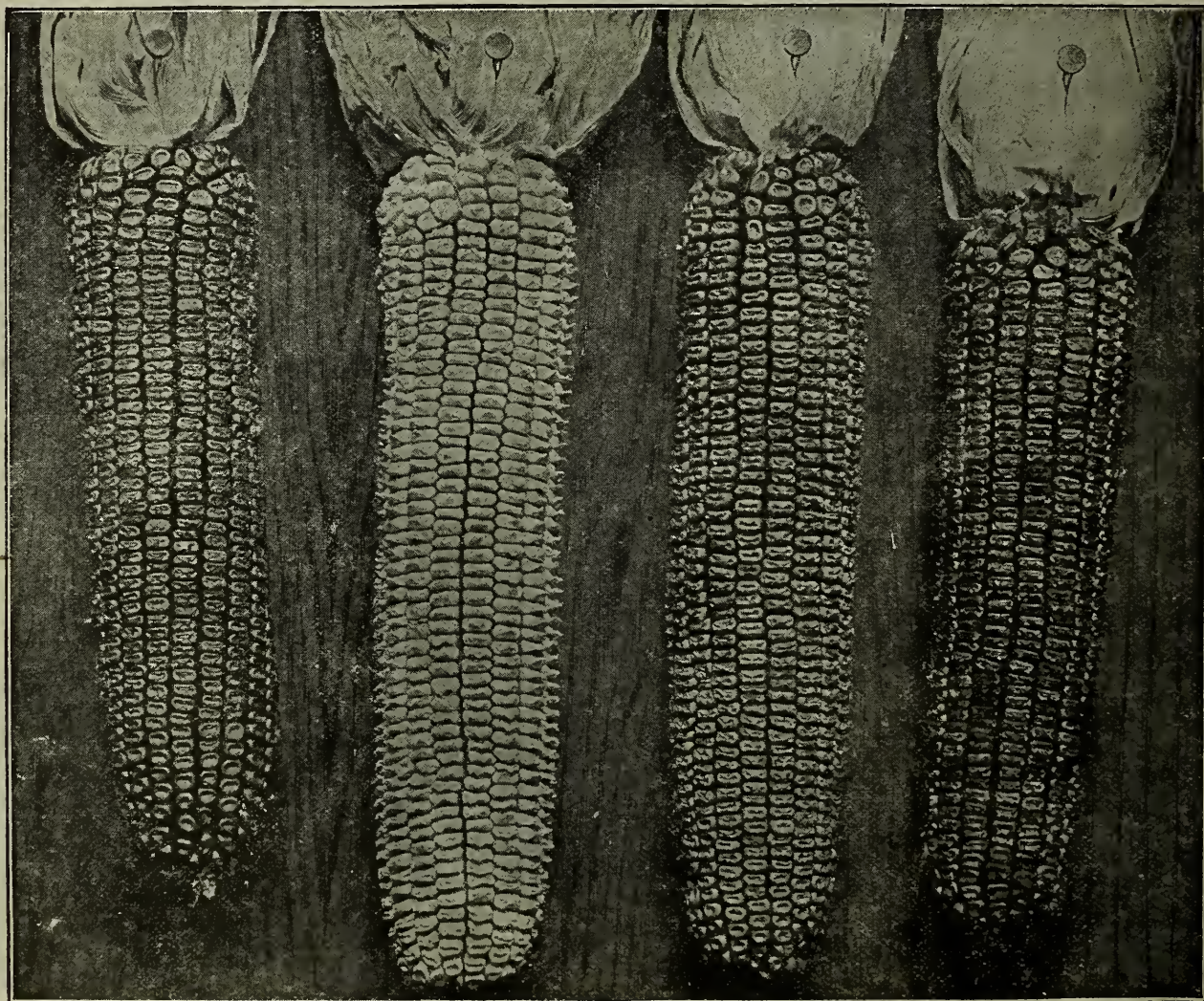
The three essentials in corn growing are seed, soil and cultivation. You cannot neglect any of these details in any degree and secure the greatest returns. The best seed will not make a crop on poor soil with good cultivation, nor on good soil without cultivation. You may have good soil and give good cultivation but if you do not have good seed the crop will be lacking.

**You are not getting a good crop unless you harvest one hundred bushels per acre.**

There are more than 10,000 stalks of corn on an acre planted three in a hill in the ordinary manner. Every stalk should produce at least one good ear and with this production you will harvest more than a hundred bushels per acre. If you buy your seed corn of us you need not fear barren stalks and the ears will be ears, not nubbins. Let us furnish the seed, you supply the soil and care and we know you will get satisfactory results.

Breeding counts just as much in seed corn as in live stock. Constant, careful selection maintains and improves the size, type and symmetry of any variety. It is this breeding and selection that we are prepared to do in the most up-to-date manner. It is in building up our stocks that we are able to surpass the ordinary farm facilities in saving seed corn.

**We have the men, we have the soil, and we spend the time and money necessary to produce the very best seed corn.** We have facilities to do the work of sorting, grading and testing at a minimum cost. No process is slighted, no part of the labor is poorly performed, but thoroughness is the standard by which we get results. With all our economy of labor and machinery it costs money, and lots of money, to make good seed corn, but the matter of expense must be secondary to quality, and our customers actually get full value when they purchase our seed corn.



FARMERS' RELIANCE

IOWA SILVER MINE

THE PROFIT

IOWA GOLD MINE

## HERE IS A SAMPLE OF THE SEED CORN WE GROW AND SELL An Actual Photograph---Not "Faked"---Not Even "Retouched"

Taken From Four Sample Ears, Showing the Actual Type of Different Varieties Illustrated

The value of a bushel of seed corn is difficult to determine. Some seed is so poor that it really means a loss to plant it. Some is worth its weight in gold. The seed corn we offer is actually worth to the planter many times the price we ask for it. The increased yield per acre which you get from our seed will be so great that the cost is insignificant.

**You will make money if you buy your seed corn from us.** It will pay you better than anything you can do. You can and will increase your crops. An increase of ten bushels per acre will mean just that much clear gain.

**Seed Corn bought of us must be absolutely satisfactory to you.**

The seed corn we sell must be right or you need not keep it. We give you fifteen days after receipt to inspect and test it for vitality. If it is not up to our representation, if it is not satisfactory to you, or if for any reason or without any reason you do not want to keep the corn, send it back to us and we will return the money paid for it.

Can any offer be fairer? What more can we do? We cannot guarantee a crop, that would be folly, but we let you be the judge. The matter rests entirely on your own judgment.



# LAWN GRASS MIXTURES

Lawns run out from frequent cutting before the grass goes to seed. To have beautiful, thick grass plots we must sow seed and grow new plants to replace those that die. Experience has shown that grass mixtures produce thicker, heavier turf than one kind alone, and we here offer our famous mixtures, formulated with great care to meet the needs of different locations, soils and conditions. See page 53.

## SUBURBAN HOME LAWN MIXTURE

Prepared specially for large grounds around farm homes and suburban tracts where it is not convenient to mow the grass as often as is required on city lawns. Its use, however, is much wider than indicated by the above paragraph. It makes a fine, close turf and is valuable in any situation for making a nice lawn. Will thrive under continuous cutting as well as most of our mixtures, and is prepared from permanent grasses which give out a delightful odor when growing or when cut. We expect this grass to be very popular with our out-of-town customers and believe it will please with results. Should be sown for new lawns at the rate of 50 lbs. per acre or half that amount where it is desired to renew or thicken old lawns. Per lb. 40c, 5 lbs. \$1.75, by mail postpaid. By express or freight, not prepaid, per bu. (15 lbs.) \$3.25, 100 lbs. for \$20.00.

## EVERGREEN MIXED LAWN GRASS

This is one of our specialties in mixed lawn grass, prepared for the double purpose of making a quick lawn and one that will retain its fresh green appearance during the hot summer months when blue grass is brown and dormant under the heat and drouth of July and August. For new lawns it is far superior to ordinary lawn mixtures and contains a number of grasses which grow rapidly and are ready to mow six weeks after seeding. It will make a permanent sod, continuing in good condition for years. No matter how successful the lawn or how thick the sod you can well afford to sow some seed each year and thus insure a perfect lawn at all times. The cost is but trifling and if you use our Evergreen Mixture you can have a nice green velvety sod from early spring to midwinter. Per lb. 45c, 5 lbs. \$2.00, by mail postpaid. By expr. or frt., not prepaid, bu. (15 lbs.) \$3.60, 100 lbs. for \$22.00.

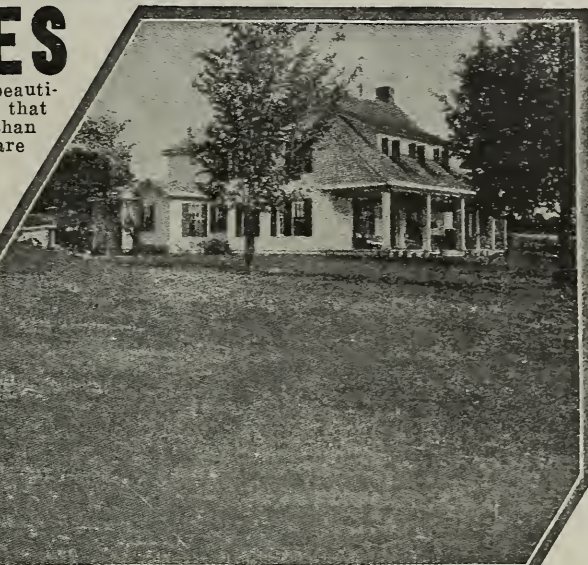
## SHADY PLACE LAWN GRASS

Few grasses thrive perfectly in shaded locations. Some, however, grow naturally in shaded places and from these we have formulated a mixture that makes a fine sod and is specially adapted for making a splendid lawn under trees and a good growth of grass around shrubs and on the shaded side of hedges and division fences. Lb. 50c, 5 lbs. \$2.25, by mail postpaid. By frt. or expr., not prepaid, bu. (15 lbs.) \$4.25, 100 lbs. for \$25.00.

## Terrace Lawn Mixture

We have prepared a mixture of grasses with roots which hold their place against a bank and make a heavy sod which protects soil from washing during rains. Lb. 50c, 5 lbs. \$2.25, by mail. By frt., per bu. (15 lbs.) \$4.25, 100 lbs. for \$25.00.

Golf Link  
Mixture  
Page  
63



See  
Pages  
62 & 63  
for additional  
information  
and prices

## IOWA SHIELD PASTURE MIXTURE

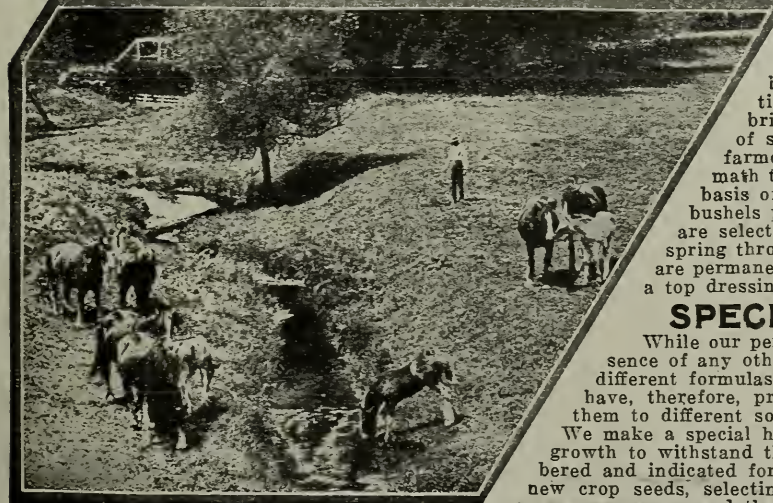
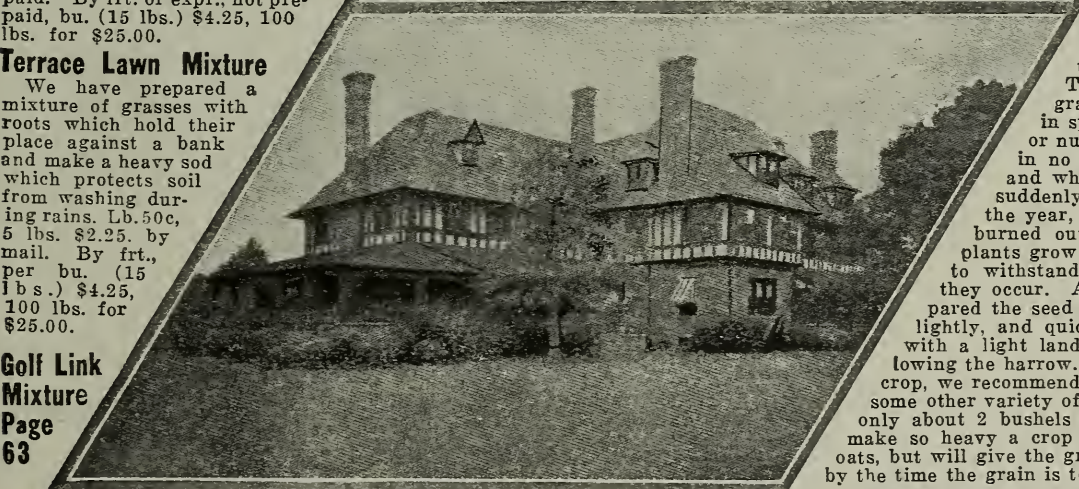
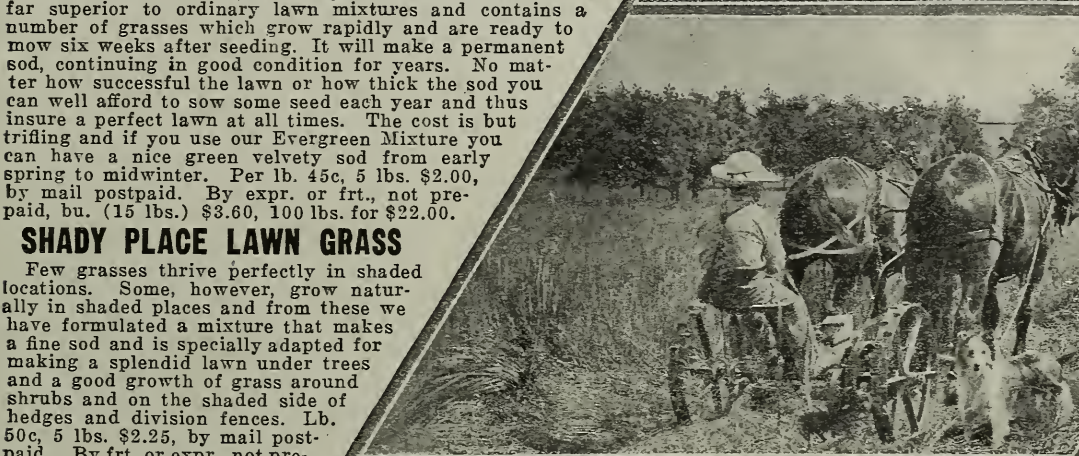
Some of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to clover or clover and timothy as usually sown. Authorities agree that for both pasture and hay the best results are secured from the use of grass seeds in mixture. The quickest way of obtaining a grass crop is to sow the seed early in spring by itself, without any grain or nurse crop. Young grass plants are in no way protected by a nurse crop, and when this is cut the young grass is suddenly exposed to the hottest time of the year, and there is danger of its being burned out. If sown by itself the young plants grow faster, are hardier and better able to withstand the changes of temperature as they occur. After the ground is carefully prepared the seed is sown broadcast. Harrow it in lightly, and quicker germination will be secured with a light land roller run over the ground following the harrow. If you think best to use a nurse crop, we recommend that you use Early Champion, or some other variety of small, early maturing oats, using only about 2 bushels of seed per acre. This will not make so heavy a crop of grain as wheat or large, late oats, but will give the grass better opportunity to develop by the time the grain is to be removed.

## IOWA SHIELD MEADOW MIXTURES

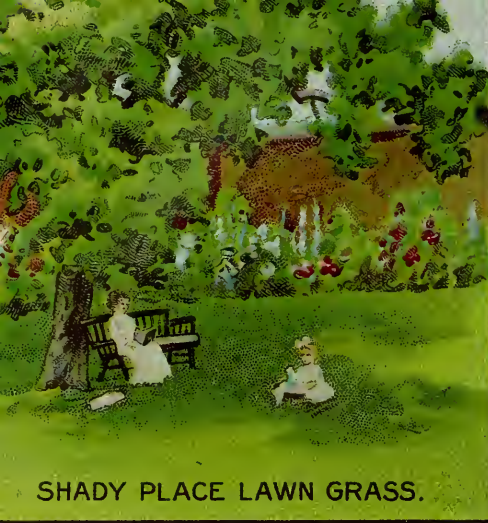
Not all soils are alike, nor do all grasses flourish equally in different soils. After years of study and experimenting we have compiled a half dozen formulas, as most soils and conditions can be met with these mixtures. On page 62 we give in brief the composition of the meadow mixtures and specify the kind of soils intended for each. A special mixture is offered for dairy farmers who wish to take off a crop of hay and pasture the aftermath the remainder of the year. We sell these grass mixtures on the basis of 15 pounds per bushel and recommend about one and one-half bushels per acre. The different seeds comprising the meadow mixtures are selected with a view to having a succession of grasses from earliest spring through the dry summer months until hard freezing weather. They are permanent and should continue to improve each year, although we advise a top dressing of new seed occasionally to maintain highest productivity.

## SPECIAL PURPOSE GRASS MIXTURES

While our permanent meadow mixtures may be used for pasturage in the absence of any other, we are of the opinion that better pastures may be made by different formulas and changing proportions in which the grasses are used. We have, therefore, prepared a half dozen formulas for pasture mixtures, adjusting them to different soils and locations as best seemed to meet general requirements. We make a special hog pasture mixture, as it requires tenacious grasses and heavy growth to withstand the wandering and ravages of swine. You will find these numbered and indicated for soil and location, on page 62. In all mixtures we use choice new crop seeds, selecting such grades as are sent to our most particular customers, so we can recommend them for purity and cleanliness.







SHADY PLACE LAWN GRASS.



GOLF LINKS MIXTURE.



TERRACE LAWN MIXTURE.

# IOWA SEED CO'S EVERGREEN MIXED LAWN GRASS SEED

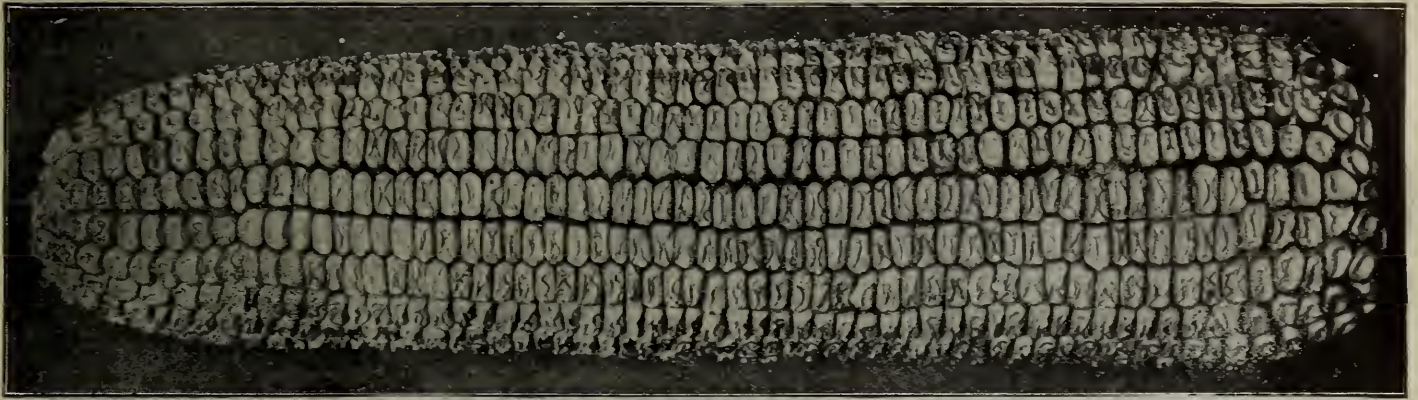
WILL QUICKLY PRODUCE A SMOOTH, BEAUTIFUL AND PERMANENT LAWN.

A NICE LAWN ADDS MORE TO THE VALUE AND BEAUTY OF A PLACE THAN ANY OTHER ADORNMENT.

IOWA SHIELD, PASTURE MIXTURE

IOWA SHIELD, MEADOW MIXTURE.





PROFIT CORN.

## THE PROFIT CORN

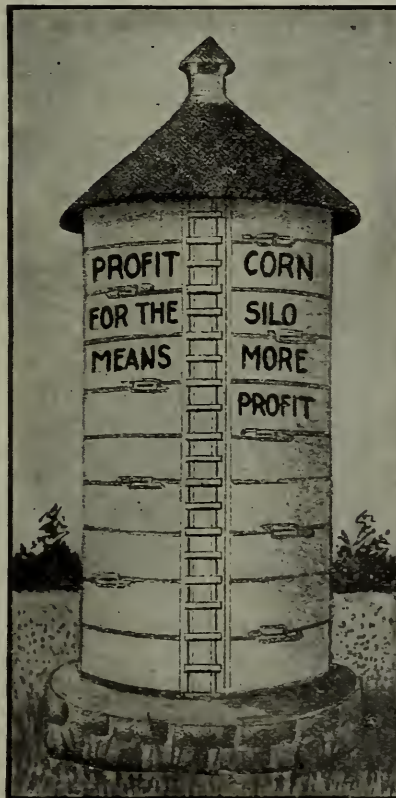
**Our Oldest Thoroughbred Corn. More than Thirty Years of Pedigree**

**The Ideal Variety for a Heavy Yield. It Grows a Large Ear Well Up on a Large Stalk and Produces an Immense Amount of Feed Per Acre**

What use do you make of your corn crop? This is the day of the specialist, and many farmers are growing corn solely as feed for live stock. Many others grow it only as a money crop, but the one who gets the most from his corn crop is he who conserves every part of the corn to the best uses. The silo is almost a necessity nowadays. The corn harvester and shredder are also used successfully by the most progressive farmers. On many farms the quantity of live stock kept is carefully figured at all times that the produce of the farm, including the corn, may be utilized without waste and with the greatest profit. These are advanced positions in the business of farming and with these conditions expanding from year to year the corn produced must likewise improve in adaptability to the needs of advanced agriculture. Our Profit Corn is best suited to meet the demands of corn growers in central and southern Iowa, Illinois, Missouri and corresponding zones.

### BRED AND IMPROVED BY US FOR MORE THAN THIRTY YEARS

This is our oldest corn. It came to us through our Mr. Kurtzweil before he joined the firm, when he was growing seeds for the company under private contract. He insisted that this corn was so much better than the ordinary corn as then planted that we ought to offer it for sale. Inspection proved him to be correct, and the corn was catalogued, but with indifferent success, as nobody seemed to want to buy seed corn. When Mr. Kurtzweil joined the company as a partner in 1889 he brought this corn with him and has kept it in the family ever since. It is still grown under his personal supervision, and he watches very closely the individual ears that are selected for stock seed each year. It originated from a carefully prepared cross of two well known sorts and when first introduced contained many grains showing a light cap, thus giving it a rather mixed appearance. From the steady and careful handling this feature has been gradually eliminated until at present it is but little noticeable and hardly appears at all in the shelled corn. It is really one of our handsomest corns when shelled, and like Iowa Gold Mine sells readily on sight. We will mail you a sample if you want to see it. The improvement in appearance has not been made at the expense of any valuable qualities.



The Profit Corn will mature wherever Reid's Dent can be successfully grown and will surpass that well known sort in size of ear, shelled corn to cob, and growth of stalk. What we aim to furnish in the Profit Corn is a variety that will actually ripen; that will haul in ear or shelled to market at the top price; that will furnish the largest amount of stover for shredded fodder or silo as the feeder may require; that will furnish a soft grain readily eaten and digested by live stock; and one that will yield big crops of big corn. The Profit meets these requirements. It produces big ears on big stalks; containing a maximum amount of sugar and starch in each plant, and it will mature a big crop. The ears are so large and heavy that they weigh like lead. They contain 20 to 22 rows of very deep grains. Length 10 to 12 inches, so you can see that the greatest number of grains per ear will be found in Profit Corn. We recommend it without reserve.

### MOST HIGHLY RECOMMENDED AS A PROFITABLE VARIETY

The purpose of the originator was to fix a type of field corn for profit, superior to any in cultivation, and profit in corn growing, as we understand it, means the largest crop of shelled corn (not cobs), maturing in a reasonably short time, and of the best quality. Ears of large size, grain is very deep, cob small for size of ear and dries out rapidly, thus making it a sure cropper. Corn is solid on the cob, the kernels appearing driven in, and it shells out immensely.

This variety does not mature so quickly as either Gold Mine or Silver Mine, requiring 110 days, and we do not recommend it for planting in the extreme northern districts of Iowa, if a crop of grain is desired, or if the corn is to be sold in the ear, but we think it is the best corn for silage in the northern districts, as it will mature sufficiently for that purpose. It will do well in the two central and southern districts for all purposes, and we believe it will produce more bushels of shelled corn than any variety with which we are acquainted.

**PRICES:** Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00 by mail or express prepaid. By frt. or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

### JUST A FEW OF THE REPORTS ABOUT PROFIT

A prominent Polk County (Iowa) farmer says: "Profit corn has outyielded every other variety on my place. Ears are large, extremely solid, and grain is deep. It shells out more than other sorts."

A customer in Sullivan County, Mo., writes: "Your Profit Corn was very satisfactory this year, although I planted it quite late in the season."

A neighbor to the west of us, living in Guthrie County, Iowa, says of the Profit Corn: "I like it and shall plant entirely of it next season. It is solid and heavy and feels profitable while you are husking it. Matured better than any other corn there being less loose or chaffy ears than usual with other varieties this season."

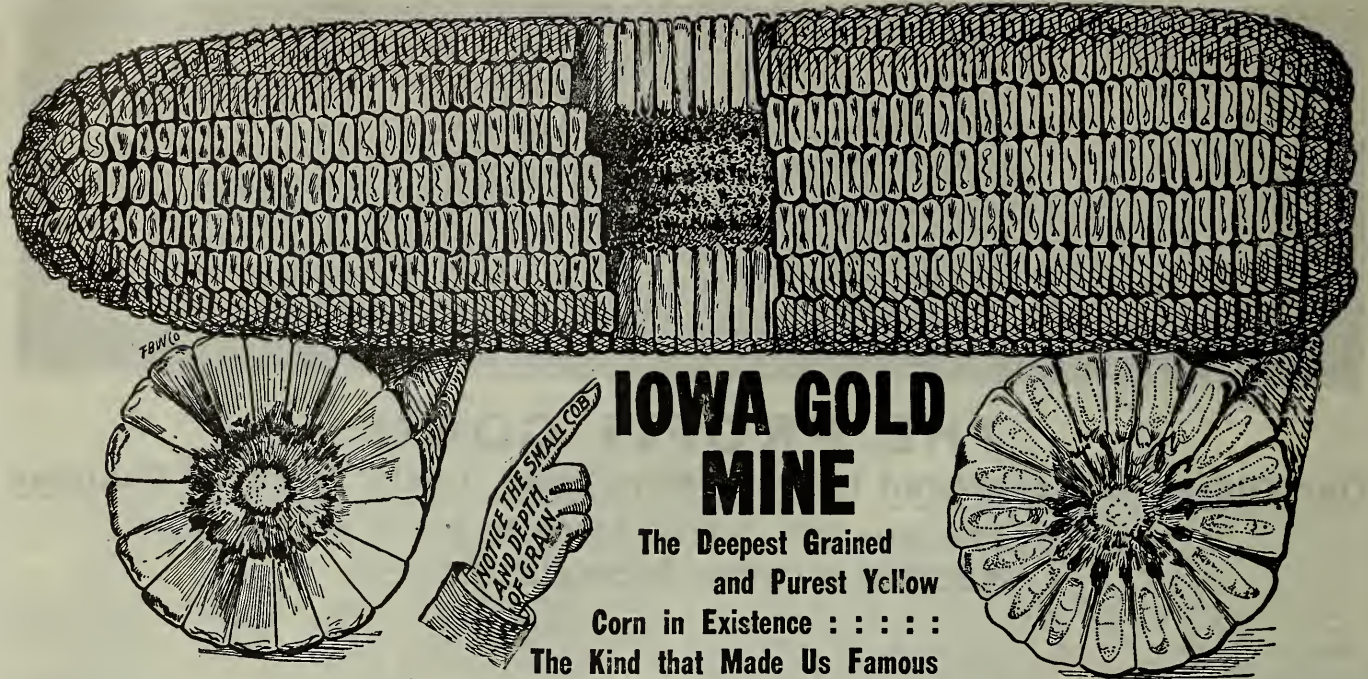
From over in Illinois comes the following report: "The Profit Corn I received from you last spring has the right name. It is the best corn for stock. It grows large and is solid and also contains a greater proportion of fat than any corn in our country."

Still further east, over in Ohio, we have a customer who writes us: "I was much pleased with your Profit Corn this season, as it gave an exceedingly large yield."

Across the Missouri river in Nebraska the Profit has made friends. One of our customers reports: "Your Profit corn proved a great drouth resister. Every stalk had a good ear while other varieties of corn yielded but very little. If I had planted my fifty acres with Profit, even at your high price as I thought for seed, I would be many dollars ahead on my crop."

ONE-HALF PECK OF ANY VARIETY OF CORN PREPAID TO YOUR ADDRESS FOR \$1.00





## IOWA GOLD MINE

The Deepest Grained  
and Purest Yellow

Corn in Existence : : : :  
The Kind that Made Us Famous

### THE GREATEST CORN FOR THE NORTHERN FARMER OR FOR THE LIVE STOCK FEEDER

The values of all kinds of live stock are very high and there is no immediate prospect that values will be lower. Conditions are favorable to the feeder because corn may be turned into beef, pork or mutton at a profit, and an extra price realized for feed consumed. It should be the aim of every farmer, at least for the next few years, to consume as much of his corn crop as possible in the production of live stock on the farm, and for this method no variety of corn will be found as profitable as our Iowa Gold Mine.

#### ONLY SIX POUNDS OF COBS

Seventy pounds of Iowa Gold Mine on the ear will make 62 to 63 lbs. of shelled corn. This is the smallest proportion of cob of any variety. We have shelled selected ears of this corn which produced only 6 lbs. of cob per bushel. This is an unparalleled record. It cannot be equalled by any other corn in the world. One carload lot of 400 bushels of Iowa Gold Mine corn was carefully weighed, and after shelling was re-weighed and there was just 456 bushels. Just think of it—a gain of 14 bushels to the 100. You can see from these figures that if you are to sell this corn it should be either sold as shelled corn, or a premium demanded for the corn in the ear. You cannot afford to sell 70 lbs. of ear corn of the Iowa Gold Mine for a bushel as you are actually giving the buyer six or seven extra pounds, worth five cents at ordinary market value.

#### GRAIN IS OF SUPERIOR QUALITY

You can readily understand its exceeding great value to the feeder. The figures given above demonstrate that there is very little waste, but they do not show the features which are so much superior to other kinds—the soft grain and the oil and sugar content that make it so readily digestible by the stock. There is really ten per cent more feeding value in Iowa Gold Mine pound for pound than in the ordinary sorts, and an acre of Gold Mine producing sixty bushels is worth as much to the feeder as a seventy bushel yield of any other variety.

Each year our sales of this variety are enormous, and for the past three years our supply has been exhausted before planting time. This year, however, we have a splendid crop of thousands of bushels of choice seed, carefully selected, cured and graded, and yet, knowing the immense demand that is sure to come to us for Iowa Gold Mine, we urge our friends to send their orders early.

#### SOME SHORT STATEMENTS ABOUT GOLD MINE.

From New York: "I bought some Iowa Gold Mine Corn of you, and it is the best corn I ever used in my life."

From Wisconsin: "The Iowa Gold Mine Corn is the best I ever saw, and it is well adapted to this climate."

From Colorado: "Your Iowa Gold Mine Corn was early and stood the drouth remarkably well. I never made a better investment in my life."

From Illinois: "The Iowa Gold Mine Corn yielded three times as much as any other variety. Think it is the best corn I have ever seen."

From Ohio: "I purchased some Iowa Gold Mine Corn of you which did exceedingly well here. I took three premiums on it at three different county fairs."

From Missouri: "I think Iowa Gold Mine the best corn of all, and am perfectly satisfied with it."

From Kansas: "The Iowa Gold Mine Corn I got from you has done fine. It has been in ear two weeks ahead of any other field corn."

From Texas: "From your sample package of Iowa Gold Mine Corn I had just twenty-four stalks and there were sixty-four ears on them."

From Iowa: "The Iowa Gold Mine Corn surprises everyone by its deep grain and small cob. It shells out about six pounds to the bushel more than any other sort."

#### A FEW OPINIONS OF IOWA SILVER MINE.

From Arkansas: "The seeds purchased from you produced the finest yields ever seen in our country. The Iowa Silver Mine corn yielded 188 bushels per acre."

From Missouri: "I planted the Silver Mine on a piece of land a little less than one acre. The other day I husked 12 shocks and got 42 bushels of good corn. At this rate I will harvest about 131 bushels of corn per acre."

From Kansas: "I am especially pleased with the Iowa Silver Mine Corn, and it is worth five times the kind I have been growing."

From Iowa: "I don't think a better quality of corn can be found than the Iowa Silver Mine and it yielded 114 bushels per acre for me."

#### THE BEST OF ALL FOR FEED

This is the yellow corn that we want to sell to our friends who grow corn for feeding. We have grown it for more than twenty years, and in spite of all the new varieties brought out, and against the demand by planters for great big corn, the Gold Mine is still the favorite with feeders everywhere. It is early, ripening in 95 days; never fails to produce a crop in any section where corn will mature, and is ready for early fall feed weeks ahead of the large late sorts grown in the central and southern portions of the country.

Twenty-four years ago we secured this variety. We debated long and earnestly about the advisability of undertaking to push the sale of seed corn. In those days it was difficult to persuade farmers to buy seed corn. However, the appearance of this corn was so attractive, of such beautiful color, and so fine in depth and quality of the grain, that it was finally decided in conference to offer free samples by means of paid advertisements. We had faith that this corn would sell itself if only the farmers could see it, and that faith has been fully verified. From the day the first sample was mailed until now this corn has only to be seen to be desired. We still follow our old-time method and if you are interested we will send a small sample of Iowa Gold Mine for inspection, because we know from experience that it sells on sight.

By reason of our method of introduction the Iowa Gold Mine became more widely disseminated and better known than any other variety of corn. It is sold and planted all over the world where corn is grown. It is listed by dealers in every state in the Union and in Central Europe, South Africa, Australia—everywhere that corn is planted. It has received the most cordial endorsement everywhere.

**PRICES** Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By freight or express not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. \$26.00. Ask for prices in quantity.

We are the original introducers of Iowa Silver Mine and Iowa Gold Mine and if you want pure, thoroughbred seed of these varieties it must be purchased of us. We have proof that some other dealers are copying our descriptions and selling common corn under these names. The cost of our pure seed is only about 45 cents per acre. One bushel per acre added to your crop will pay for the seed used.



Prize Winner  
Everywhere

# IOWA SILVER MINE

215 Bushels  
Per Acre

## The World Wide Favorite White Variety

### THE CORN THAT ALWAYS MAKES A CROP

The Iowa Silver Mine Corn seems to have some quality lacking in most of the other large varieties, because a change of location seems in no way to diminish the yield or impair the quality when grown from our seed. We have reports in our files from customers in Egypt, South Africa, Australia, Central America, Mexico and the West Indian Islands, as well as from all parts of the United States praising in the highest terms the Iowa Silver Mine Corn produced from seed purchased of the Iowa Seed Company. So widespread has been the dissemination of this variety, and so universal the success of the planters that without hesitation we recommend Iowa Silver Mine for all corn planters except possibly the extreme northern portions of the corn belt. We even have letters from customers in Minnesota and the Dakotas stating that Iowa Silver Mine has matured in that latitude, but we hesitate in advising our patrons north of Iowa to purchase this variety. We have never in our thirty years' experience found any corn, white or yellow, that would give as good results under adverse weather and soil conditions.

## THIS CORN IS TRULY THOROUGHbred

It is eighteen years since we purchased the original stock of Iowa Silver Mine for the sum of \$1,000 in cash. Each year since it came into our hands the stock has been carefully selected to maintain all its superior qualities and we have grown it with care, giving it good soil and cultivation, and isolating it to prevent mixture or taint from any other variety. During these years a multitude of competitors have arisen in the seed corn trade, and many unscrupulous dealers have grown Iowa Silver Mine, giving it a high-sounding name, and heralded it broadcast as a wonderful new variety. It is a wonderful variety, but our stock is of the original, purchased by us in 1895 and bred continuously since that time under the personal direction of our seed corn experts, who have thirty years' experience as their guide. It is produced at Altoona, in a locality highly favorable for the growth of corn, and our men are provided with all the modern methods necessary to produce a fancy quality of seed.

## IT IS A MOST UNIFORM TYPE

The stalk grows to a height of about seven or eight feet and sets the ears about three and one-half or four feet from the ground, just the right height for easy picking. One peculiarity which will be noticed in going over the fields is that there are no barren stalks; every one has an ear, many stalks have two or three good ears, and the originator says that has been characteristic every year that he has grown it. Type is very even. Ears measuring from ten to twelve inches in length, and weighing one and one-half pounds, are often found. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep, pure white kernels, set on small, white cob, and ears are well filled out over the tips. It is early, maturing in ninety-five days. The cob dries rapidly, so that it is ready for market earlier than any other large white field corn. Seventy pounds in the ear will make sixty-two shelled. It is adapted to a wider range of soil and climate than any other corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other sorts are grown at a loss. It is in every way a distinct type of corn, hardy, and a wonderful resister of drouth.

## HERE IS A PART OF ITS RECORD

Everywhere the Iowa Silver Mine captures the prizes over all other varieties. At one fair ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties, both white and yellow, making a total of \$95.00 in prizes taken at one fair by twenty ears of the Iowa Silver Mine Corn. It captured the big prize offered by us in 1896, for the largest crop, against all other kinds of any color, yielding 215 bu. At the Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in the state, grand sweepstakes for best corn, any color, competition open to the world. In 1899 the Illinois State Agricultural Society offered three large prizes for the largest crop grown on one acre and Iowa Silver Mine captured all three with crops of 196, 176 and 154 bu. per acre. No other corn, any color, can compare with it for productiveness.

Read the Astonishing Record of Our Own Prize Contest. It produced 215 bu. per acre in Scott Co., Iowa, the crop being actually inspected by a member of our firm. It yielded 211 bu. per acre in Indiana; 201 bu. in Arkansas; 178 bu. in Illinois; 145 bu. in Ohio; 137 bu. per acre in Texas.

**PRICES:** For high grade extra select seed corn postpaid or by express prepaid: Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00. By frt. or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85, 10 bu. or more at \$2.60. Write for prices in quantity.

There is a prejudice in the minds of some farmers against white corn. For many years it was thought that white corn lacked some essential elements that were contained in the yellow.

In the markets of this country now, however, white corn always sells at a premium, and if you want to obtain the very highest price for your corn grow Iowa Silver Mine, and shell it before shipping. We know this to be true from our own experience, as we are always able to sell the Silver Mine surplus and such as is rejected for seed for a greater price than the yellow varieties.



A FREE SAMPLE OF OUR SEED CORN WILL CONVINCE YOU OF ITS MERITS





## PROSPERITY

### Our Improved Strain of Reid's Yellow Dent

There are many good points about the ordinary type of Reid's Dent Corn but it has not proven to be desirable in all respects. Owing to the compactness of the corn on the cob, and the texture of the cob itself, it dries out very slowly and unless watched carefully the tips of the grains on the ear become moldy and the vitality is destroyed. It is the tendency to hold moisture in the cob that is the most serious drawback of Reid's Dent. In spite of these drawbacks Reid's Dent is a popular sort, and we believe if you are partial to this type of corn the Prosperity will be more satisfactory to you than the strain you are now growing. In our Prosperity we have bred it to a rougher and more open type of ear, and somewhat smaller cob, so that we have largely eliminated this trouble. Prosperity will produce a satisfactory crop with less favorable conditions than those required by Reid's Dent. The plant is ideal, the stalk being about eight feet high with abundant broad leaves, and it is so well rooted that it withstands windstorms extra well. It is comparatively free from barren stalks. The foundation for this variety was obtained from the champion ears shown at the Chicago World's Fair in 1893, and we have bred it continuously for many years, so that the type is thoroughly fixed, and will produce uniform corn of exceptional attractiveness, and specially fine for selling in market on the ear. The ears are large, 10 to 12 inches long, nearly cylindrical, holding their size well to the end; are well rounded or capped over at both ends, and have that well-groomed appearance of thoroughbred corn. Cobs are dark red, medium

size, grain a splendid yellow, rather slender and of good depth. Our illustration does not do this corn justice, as the ears used in the picture were gathered in the field before husking time; no opportunity was had to make selection and we were compelled to take them as they came.

**PRICES:** Pkt. 5c, lb. 25c, 3 lbs. 60c, charges prepaid. By freight, purchaser's expense, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

*In my test the new Prosperity Corn matured well, making very uniform, good shaped, sound ears of rich yellow color and deep kernels.—Geo. M. Fox, Dallas County, Iowa.*

*Your Silver Mine Corn grew splendidly and ripened sufficiently to make seed corn 100 miles north of St. Paul.—Francis Maddox, Crow Wing County, Minnesota.*

*I have seven acres of Farmer's Reliance that will make 80 or 90 bushels per acre. It is by far the best corn I know of around here. It was planted June 14.—Geo. W. Brown, Ross Co., Ohio.*

## GRADED SEED CORN

We carefully grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping corn planters. But the grading is only a part of the labor which we give to the production of good seed corn. All varieties are carefully grown under direct supervision of the vice-president of our company. It is gathered early, and stored in our seed corn house, where every ear is carefully inspected by experts and only those absolutely true to type and of strong vitality are shelled for seed purposes. You cannot buy better seed corn in America, no matter what the price.

## LENOCHER'S HOMESTEAD

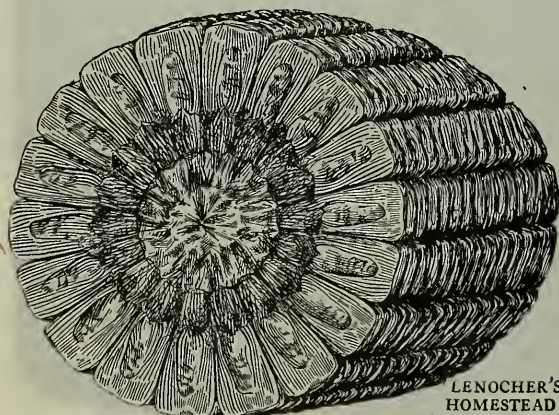
### The Greatest Red Corn Ever Produced

#### A Hundred Bushels per Acre Variety

This is the corn that won the Iowa Homestead prize of \$100 for the best three acres of corn grown under ordinary methods. The crop produced yielded 345 bushels on the three acres on the farm of Mr. G. F. Lenochoer, a practical farmer and feeder of Dallas County, Iowa. We made arrangements with Mr. Lenochoer to introduce the corn to the public and gave it the name of Lenochoer's Homestead and have offered it for sixteen years. It is given as great care with us as our other sorts and our stock is carefully selected for seed purposes. The color is a rich dark red with occasional light caps; grain deep and huddled; ear somewhat above the average with small cob which dries out rapidly so that it is not likely to be caught by frost. It is perfectly safe corn to plant in central and southern districts of Iowa and may be grown anywhere that Iowa Silver Mine matures. It is a splendid silage corn for all locations, and produces good crops in unfavorable seasons when other corns will hardly make nubbins. Don't let your prejudice against red corn prevent a trial of this splendid corn, for we give you our assurance that it will produce more actual corn per acre than the kind you are growing, and it makes just as good feed as any other sort. There is no prejudice on the part of the live stock or the silo against red corn and if you plant Lenochoer's Homestead the great yield per acre will overcome your prejudice.

### PRICES

Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express, prepaid. By freight or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu. 10 bu. for \$26.00.



LENOCHER'S  
HOMESTEAD

*Your Lenochoer's Homestead corn is out of sight. My neighbors bought all I could spare for seed purposes, and I had hard work to keep seed enough for my own use.—Frank Degnan, Seneca County, Illinois.*

*Lenochoer's Homestead is the best hog corn I ever fed. Earliest variety in these parts. John Abrie, Doniphan Co. Kan.*



# REID'S YELLOW DENT

THE STANDARD VARIETY OF YELLOW CORN IN THE MIDDLE WEST.

Thoroughbred, Pedigreed, Carefully Selected Stock

A splendid strain of sustained purity and excellence

This variety is the best known among progressive farmers who grow for the great corn shows and who try to breed to the show standard. The type of Reid's Dent is the standard for corn judges and through its popularity at the shows it has become widely known and generally distributed. It is a thoroughbred corn having many years of selection for its foundation, and the type is thoroughly fixed so that reversion seldom occurs, and the crop is always uniform in size, shape and color. Is the most highly recommended by Professor Holden, the noted corn expert formerly of the Iowa Agricultural College, and is too well known to require lengthy description, our illustration well showing the general characteristics.

It requires about 115 days to mature and we do not therefore recommend it for planting north of Central Iowa. In good years it will often produce splendid crops as far north as the Minnesota line, but it cannot be depended on to ripen in short seasons in that latitude. A splendid variety for the farmer who sells corn in the ear.

The location of our seed corn farms at Altoona is particularly suitable for growing hardy seed that will mature anywhere in Iowa. Altoona is one of the highest points above sea level in the state. The soil is black loam, rich and heavy and our experience for many years tells us that corn matured under these conditions will thrive in all sections of our state.

Our stock is extra choice, having been grown from stock received direct from Mr. Reid, and we have selected the choicest ears so we are sure our seed cannot fail to please the most particular. It is of handsome yellow color, smooth, deep grained, and the kernels are packed very closely on the cob, thus giving it an appearance of great solidity. Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By freight or express, not prepaid, pk. 75c, bu. \$2.50, 2 bu. or more at \$2.40 per bu., 10 bu. for \$22.50.

*Last spring I got some Reid's Yellow Dent seed corn and would say it is fine as any corn I ever saw. Don't think it could be beat in the state.—A. A. Westbrook, Ira, Iowa.*

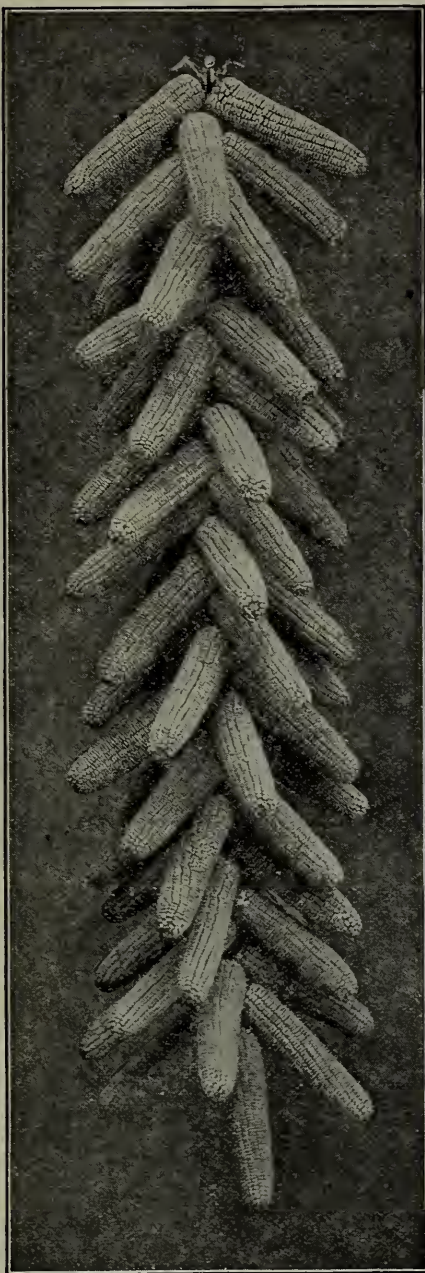
## IOWA YELLOW DENT

A Good Corn at a Low Price

GROWN AND SELECTED WITH CARE

A Real Bargain in Choice Seed Corn

We always advise farmers to select the best named varieties in buying seed corn, and believe it pays them in the long run. Every year, however, there are thousands of farmers in need of seed corn, and their main object is to secure at a low price a nice grade of yellow corn which is well matured, thoroughly tested, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you will find it superior to nine-tenths of the corn offered by other dealers. It is not a crib corn nor is it purchased on the market for sale, but is specially grown for us and given the same care accorded to our other varieties. By freight or express, not prepaid, pk. 60c, bu. \$1.75, 2 bu. or more at \$1.60 per bu., 10 bu. \$15.00.



REID'S YELLOW DENT

## STAR LEAMING

A Variety to Sell at Top Prices Either Ear or Shelled

OUR OWN STRAIN OF THIS FAMOUS CORN

From Twenty Years of Breeding and Selection

Owing to the deep, bright color, smooth, tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or shelled. In our opinion, it is a splendid feeding corn as the grain seems to be particularly rich. The originator of the Leaming Corn was Mr. Leaming, of Ohio, and we have bred our stock for a long series of years, selecting for uniform color, earliness and size, so that our stock is really a great improvement over the original Leaming, and we designate it "Star" Leaming, so that our friends will know it is our particular strain of this valuable variety. It grows to medium height, setting the ears about four feet from the ground, husks very easily and the corn is very snug on the cob, making a solid, heavy ear. It is a very productive sort, and because of the smooth, even surface it is much nicer to handle than the rough, hackled sorts. Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express, prepaid. By freight or express, not prepaid, pk. 75c, bu. \$2.50, 2 bu. or more at \$2.40 per bu., 10 bu. \$22.50.

## WHAT VARIETIES TO PLANT

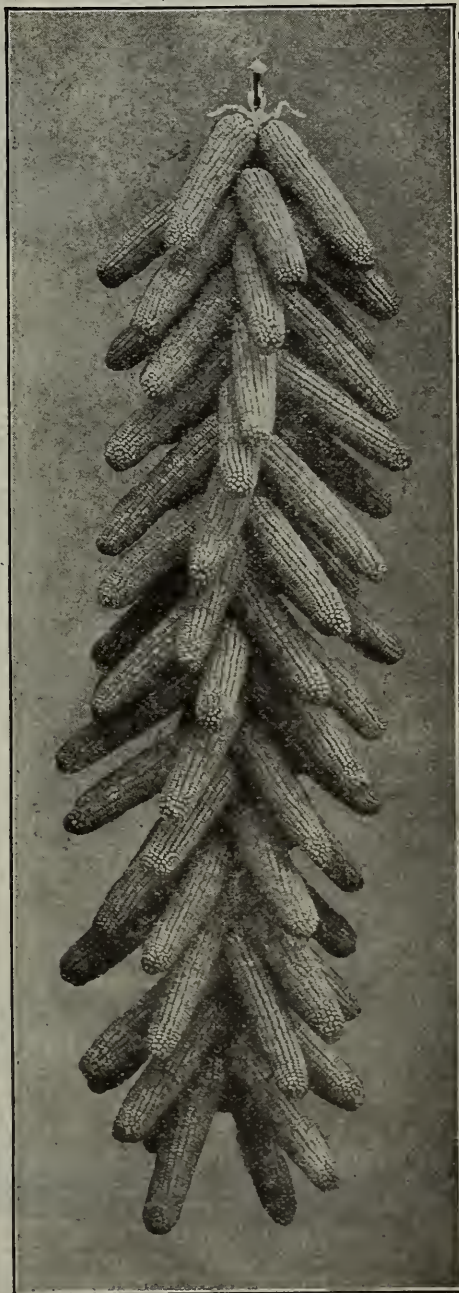
**In the Extreme North**—Sanford's White Flint, Improved Yellow Flint, Pride of the North.

**Northern District**—Pride of the North, Longfellow Dent, Silver King, Farmers' Reliance, Iowa Gold Mine and the Flint varieties.

**North Central District**—Iowa Gold Mine, Iowa Silver Mine, Silver King, Farmers' Reliance, Longfellow Dent, and the Flint varieties.

**Central District**—Profit, Iowa Silver Mine, Iowa Gold Mine, Farmers' Reliance, Star Leaming, Prosperity, Reid's Yellow Dent, Legal Tender, Lenoher's Homestead, Iowa Yellow Dent, Red Cob Ensilage.

**Southern District**—All of our large varieties will do well in this section, also any early varieties for special uses.



STAR LEAMING

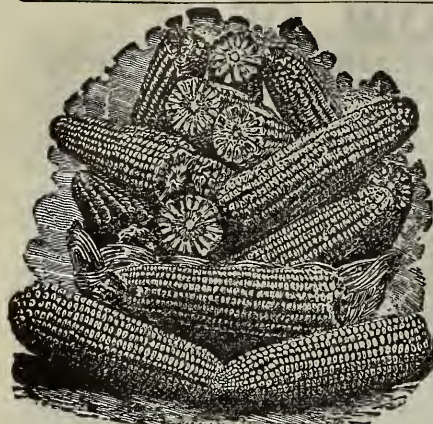
YOU WILL MAKE NO MISTAKE IF YOU PURCHASE ANY OF THE VARIETIES ON THIS PAGE



# EXTRA EARLY CORN

VARIETIES THAT MATURE IN 90 TO 95 DAYS

We offer you on this page varieties suitable for the farthest north of the corn belt. There is no dent corn so early as Pride of the North. There are no extra early sorts equal in yielding ability to Silver King, Farmers Reliance and Longfellow Dent. If our northern friends will grow these varieties they will get just as much corn per acre as if they planted the larger late varieties. The product will be far superior in quality and feeding value than will immature, half-ripened corn, the almost certain result where the large, late kinds are grown in unsuitable locations. In addition to the varieties here listed we call your attention to the flint corns listed on next page, which will be found very desirable for the extreme north. Any of these varieties will be valuable on any farm to grow for early feed, or to plant thickly for "hogging down" in early fall, before new crop corn is ready to feed. Every farmer can find a profitable use for extra early varieties of corn.

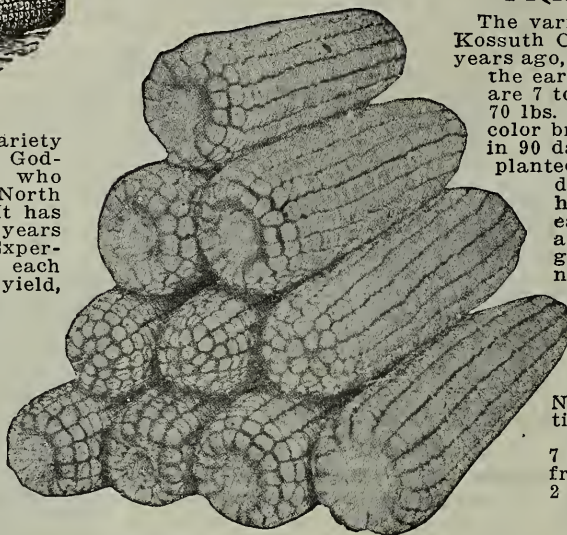


PRIDE OF THE NORTH

## SILVER KING

This is an extra early white variety which originated with Mr. A. L. Goddard, of Kossuth county, Iowa, who originated the Pride of the North more than twenty years ago. It has been bred and tested for seven years at the Wisconsin Agricultural Experiment Station at Madison, and each year has shown an increase in yield, the last year's crop averaging 93 bushels per acre. It has by means of the publicity given it by the Wisconsin station become the most popular variety in that state and is fast becoming a standard, well known sort, and is really most desirable for the northern part of the corn belt. It might well be called a small-eared Iowa Silver Mine, as its general characteristics are very similar to that well known variety. The ears are 7 to 9 inches long (smooth, straight-rowed, of perfect shape and give every evidence of careful selection and thoroughbred pedigree.

**PRICES.**—Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By frt. or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.



SILVER KING.

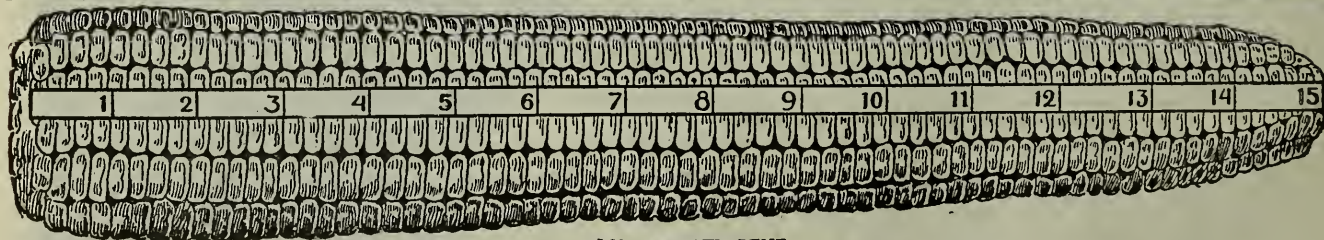
## FARMERS' RELIANCE

A grand variety of field corn, introduced by the Iowa Seed Company, and it is by far the earliest large dent corn in existence, and also the largest early corn. Of very strong, vigorous character, growing more rapidly than any other variety from the day it is planted, it really surprises one with the speed with which it hurries on to make ears. The stalks usually have from nine to eleven blades, while most ordinary corn has thirteen blades. Leaves quite broad, of dark, emerald green, healthy color. Planted as late as June 26th has yielded a splendid crop. We claim it will mature in ninety days. Ears are larger, smoother, and easier to handle than Pride of the North and will yield one-third more under the same conditions. Seventy pounds of ears will make sixty pounds of shelled corn. Fully forty per cent of the stalks produce two good ears. **PRICES.**—Per lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, postpaid. By freight or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

## LONGFELLOW DENT

Most extra early sorts are too small and "nubbin," but this new variety is of unusual length, our illustration showing an ear 15 inches long, but the average is about 12 inches. Its peculiar shape, which is different from any other sort, suggests the name. Matures fully as early as Pride of the North, is double the size and yields a far larger crop, which is ripe and hard before frost, thus making a variety that it will pay to "tie to." Stalks are of medium height, strong and not easily blown down. Grain is not as deep as some of our other varieties, but is the corn of corns for selling on the market, as a wagon-load of it is as pretty as a picture. We recommend it highly to customers in Northern Iowa, Minnesota, the Dakotas and other northern states.

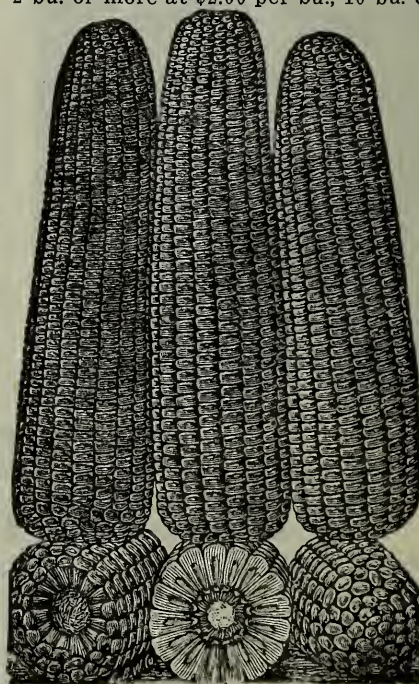
**PRICES.**—Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 90c, bu. \$2.75, 2 bu. or more at \$2.60 per bu., 10 bu. for \$25.00.



LONGFELLOW DENT

Longfellow Dent is a wonder. I have a stalk before me, less than 8 ft. high, yet with 22 in. of corn. One ear is 12 in., the other 10 inches long. This was on unfavorable ground and had but one cultivation, although the ground was worked over

several times before planting. Owing to our usual summer drouth, this is a most suitable variety for our hills. It is a remarkably strong pollenizer. By all means urge Longfellow on customers in the Ozarks.—Harry M. Wagner, Eminence, Mo.



FARMERS' RELIANCE.

EXTRA EARLY VARIETIES WILL BE FOUND PROFITABLE FOR EARLY FEED ON ANY FARM



**FLINT CORNS FOR EARLY FEED**

Ready for use two weeks earlier than the dent varieties

**SANFORD'S EARLY WHITE FLINT**

This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and handsome shape, flinty white color. Plants of sturdy, vigorous growth; leaves are very broad and succulent, and it is therefore of great value for fodder and ensilage, as well as for a grain crop. Stalks usually bear 2 or 3 long ears. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 65c, bu. \$2.50, 2 bu. or more at \$2.40, 10 bu. \$22.50.

**IMPROVED YELLOW FLINT**

An eight-rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and well filled out to the extreme end of the cob. The cob is small and the kernel large and broad; ripens in 75 to 85 days. Said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp., not prepaid, pk. 65c, bu. \$2.50, 2 bu. or more at \$1.40, 10 bu. \$22.50.

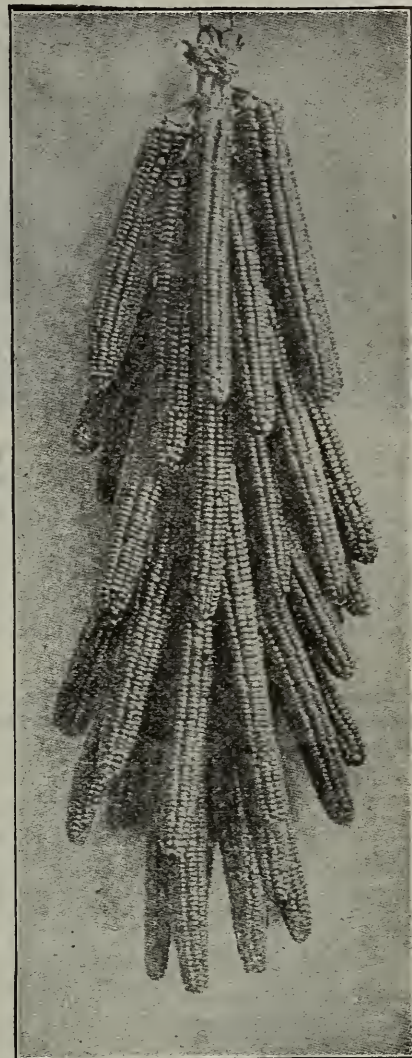
**EVERGREEN SWEET FODDER CORN**

Superior to field corn in feeding value

The past few years seed sweet corn has been so scarce and high in price that we did not urge our customers to plant it, but last year we grew a splendid crop, both in quality and quantity, and are therefore enabled to offer it at a low price. We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. On a strong soil it will grow 10 to 12 feet high and produce almost an incredible amount of fodder, which when well cured is equal to hay, besides being cheaper. It is claimed by dairy farmers this fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being so sweet and palatable that cattle eat every part of the stalk and leaves. As a green fodder for cutting in the summer, one acre is worth eight acres of ordinary pasture. Of high value also for hogs, and an excellent plant to plow under for soiling. Sow thick in drills, or broadcast at rate of 2 bu. per acre. By freight or express, not prepaid, pk. 75c, bu. (50 lbs.) \$2.50, 2 bu. or more at \$2.35 per bu.



EVERGREEN FODDER CORN



IMPROVED YELLOW FLINT

**CUT EVERGREEN SWEET FODDER CORN IN ROASTING EAR STAGE FOR PIGS AND MILK COWS.**

**SOME UNIQUE AND NOVEL VARIETIES OF CORN****NEW CENTURY WONDER**

A wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stools like winter wheat, producing 10 to 20 stalks from each seed. Often 3 to 7 ears to stalk, being 8 to 10 in. long, and of most clean, snow-white color. Of excellent quality for the table like sweet corn; when dry and ground makes the cleanest, finest, whitest meal. An improvement on Brazilian flour corn, being acclimated by growing in the north. Plant early as it requires the whole season to mature in this latitude. Pkt. 10c, ¼ lb. 15c, lb. 40c, 3 lbs. (will plant one acre) \$1.00, postpaid. By frt. or exp., not prepaid, ½ pk. 65c, pk. \$1.00.

**BY ALL MEANS INCLUDE THESE NOVEL CORNS IN YOUR ORDER AND HAVE SOMETHING NEW FOR THE FAIRS AND CORN SHOWS.**



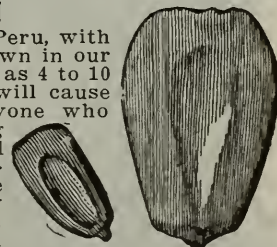
PRIMITIVE OR HUSK CORN

**COBLESS CORN**

A unique curiosity. The grain grows at the top of the stalk, where the ordinary corn produces the tassel. Each grain is enclosed in a husk in the manner of primitive corn, while the head resembles sorghum or Kaffir, except that the grain itself is true corn, hard and flinty, about the size of grains of ordinary flint varieties. Sold only in packets at 10c.

**GIANT CUZCO CORN**

A strange and curious corn from Peru, with kernels of truly mammoth size as shown in our illustration, each one being as large as 4 to 10 kernels of ordinary field corn. It will cause wonder and astonishment in everyone who sees it. It is quite late in maturing and therefore should be started early in the house. In transplanting be careful not to disturb the roots. Our cut shows an ordinary kernel of corn beside of the Cuzco. It is a great novelty and attracted much attention at the corn shows. Pkt. 10c, lb. 75c.



GIANT CUZCO CORN

**PRIMITIVE OR HUSK CORN**

It is from this wild variety that all of our civilized sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all is enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico, the primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Pkt. 10c. Specimen ear 40c, postpaid.

**GIVE THIS PAGE CAREFUL READING. MANY VALUABLE AND PROFITABLE ITEMS ARE LISTED HERE**





## SEED WHEAT

There has been for the past several years a tendency on the part of Iowa farmers to increase the acreage of wheat sown, and many are now growing wheat that formerly believed it an inferior crop. It has for several years been more profitable than oats, and with dollar wheat we believe it to be even more profitable than corn. If farmers would pay more attention to having the proper soil conditions, secur-

ing the right kind of seed and getting it in properly, they would find it as profitable a farm crop as can be raised. As a nurse crop for clover and grass seed we consider wheat the best small grain in the list. As a crop to round out the rotation on the farm wheat is again taking its place as a necessary item, and with improved seed and sod ground is proving as profitable as corn.

### MARQUIS

**Ten Days Earlier than Blue Stem or Red Fife and Produces Five to Ten More Bushels per Acre**

This is the wheat that won the \$1,000 prize at the New York Agricultural Exhibition against all exhibitors, representing every wheat growing section of the western hemisphere. Superior to any known variety in milling and baking qualities. Has recorded yields of 50 bushels per acre. It originated at the experiment station at Ottawa, Canada, and introduced to Canadian planters in 1905. It created a furore and is now the most popular variety in that country. It is a favorite in Minnesota and the Dakotas and after testing it two years on our own farms we recommend it as the best beardless spring wheat for this latitude. If you sow the Marquis you will surely get a profit from your spring wheat fields. Grows stiff, strong straw of medium height, has round, hard, dark red kernels and matures two weeks earlier than the old standard blue stem types. Per lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 75c, bu. \$2.50, 2 bu. or more at \$2.35 per bu., 10 bu. for \$22.50.

### MACARONI, OR DURUM WHEAT

(Kubanka).—Yields 80 per cent greater than other varieties of wheat. One farmer reported 49 bushels per acre. It does especially well in the semi-arid plains. It seems to be always a sure crop and will mature in shorter season than any other wheat. Yields profitable crops in Kansas, Iowa, Oklahoma and Texas.

Does well on good soil, but yield is larger and quality better when sown in poor land. Grains hard and glossy, often translucent and large. Heads compactly formed and bearded. Hardy and not attacked by smut or rust. Sow early in spring about 1½ bu. per acre. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 65c, bu. \$1.85, 2 bu. or more at \$1.75 bu., 10 bu. for \$16.

### WINTER WHEAT

For years we have made a specialty of furnishing farmers with choicest seed of winter varieties. We have urged upon them the value of this crop from a money standpoint with the result that the production of winter wheat has steadily grown in volume and our friends have made a profit from this crop. We issue a price list of winter wheat about Aug. 1st.

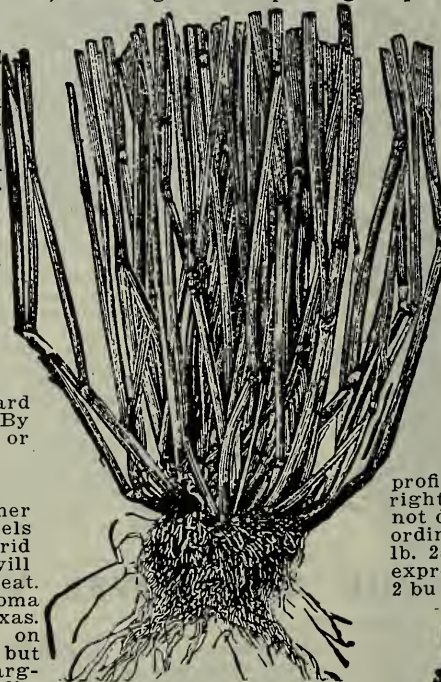
**RED CROSS.**—The best beardless winter wheat for the corn belt. Is immensely popular with our patrons because of hardness, heavy yields and freedom from harsh beards, making it much pleasanter to handle than the Turkey Red types. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 50c, bu. \$1.75, 2 bu. or more at \$1.65 per bu., 10 bu. \$16.

**TURKISH RED.**—The great standard winter variety so generally recommended by all authorities. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 50c, bu. \$1.50, 2 bu. or more at \$1.45 per bu., 10 bu. \$14.

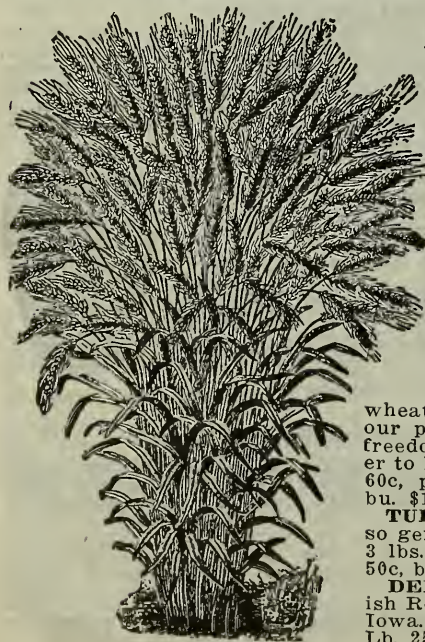
**DEFIANCE.**—Our greatly improved strain of Turkish Red which has a record of over 59 bu. per acre in Iowa. Has never failed to produce a profitable crop. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 60c, bu. \$1.75, 2 bu. or more \$1.65 per bu.

### EARLY JAVA

The early bearded sort that is so prolific and gives best returns in the corn belt. This is a bearded variety which for five or six years past has given far better satisfaction in central Iowa than any other variety and wherever introduced it is driving all other sorts out. The farmers are delighted with it. It is a new variety of spring wheat, about ten days earlier than the Velvet Chaff or other standard sorts, and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat, and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable and the wheat would be all right for milling purposes, but would not do for seed. Yields in this vicinity ordinarily about 25 bu. per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 65c, bu. \$1.85, 2 bu. or more at \$1.75 per bu., 10 bu. \$16.



EARLY JAVA WHEAT



MACARONI WHEAT



MARQUIS WHEAT





**Send for Free Samples  
for Comparison**

If you want a large quantity of seed oats of any variety we handle write for special prices.

## SEED OATS BUY THE IOWA GROWN SEED

Comparative tests for a number of years have led us to the conclusion that Iowa grown seed oats are the best to plant in the corn belt for the main crop. Iowa grows more oats than any part of this continent. We ought to grow more than we do. This is easy to do if we use selected seed from improved varieties, thoroughly acclimated. Every farmer understands that the greatest damage to oats comes through the bad weather conditions that usually obtain in late June and early July. The problem in oats raising is to get a variety that will mature before the adverse conditions obtain, and one that will produce good grain in profitable amount. To do this it is necessary to have seed that has been acclimated. We always are able to supply choice stocks.

### WHITE KHERSON

A NEW PRODUCTION FROM THE AMES COLLEGE.

Bred from the Yellow Kherson by Professor Burnett, agronomist at the Iowa Agricultural College, and entrusted to us for introduction to the farmers. It has all the good qualities of the old Kherson with the additional value of better color and freedom from mixture with other grain. Grain not so large as Silver Mine but plump and heavy, with thin hull. Matures very early and does not suffer from blight or rust. Straw strong, of medium height and stands up extra well on heavy soil. Stools well and only requires 2½ bushels per acre for full seeding. On our farms the past two seasons has surpassed all other varieties and we offer it as the best oats for Iowa that has yet been produced. Per lb. 20c, 3 lbs. 50c, postpaid. By frt. or exp. not prepaid, pk. 75c, bu. (32 lbs.) \$2.00, 3 bu. or more at \$1.85 per bu.

### EARLY CHAMPION

This variety has comparatively short straw, matures a week to ten days earlier than large kinds, escaping the liability to rust or blight during the time when the later sorts are under unfavorable weather conditions. Its quick maturity is a valuable attribute. It will not lodge on rich land. Henry Wallace, editor of Wallace's Farmer, has stated: "I would rather risk growing grassseed with them than with any variety I know of." Pk. 40c, bu. \$1.15, 3 bu. or more at \$1.00 per bu., 10 bu. \$9.00, 25 bu. \$21.25.

### REGENERATED SWEDISH SELECT

MOST WIDELY ADVERTISED VARIETY

For reasons as set out in the introduction to this page we favor Iowa grown seed oats and are this year confining our offerings to home-grown stocks. We know that our oats are fully acclimated and have been grown successfully under adverse conditions, that they are not diseased in any way, and fully believe they will give better results than the greatly advertised, high-priced seed of this variety. Pk. 45c; bu. \$1.15; 3 bu. or more at \$1.00 per bu.; 10 bu. \$9.00; 25 bu. \$21.25.

### SILVER MINE

THE POPULAR MAIN CROP VARIETY

Standard variety for main crop in Iowa and from comparative tests for a period of years has proven its ability to produce good crops under ordinary conditions, year after year. Reputation of yielding immense crops of 100 to 160 bu. per acre in favorable years. Grain is usually large, plump and heavy with a reasonably thin hull. Is quite hardy, vigorous, stands well and shows little tendency to rust or lodge unless soil is rich. Has splendid record in comparative tests at Iowa Agricultural College and has greatly pleased customers. Pk. 40c, bu. \$1.15, 3 bu. or more \$1 per bu., 10 bu. \$9, 25 bu. \$21.25.

### PROSPERITY

INTRODUCED BY US FROM ENGLAND IN 1908

This variety when purchased by us in England was so prolific, of such strong growth and the berry of such exceptional size and weight we thought it would be far ahead of our native grown oats. Known as a "regenerated" strain of the English variety and is truly a magnificent sort. Large white grains almost as heavy as wheat. We want you to see them and will mail on request, free, a small sample for examination. The straw is very stiff and coarse, and well rooted so that it withstands unfavorable weather. Iowa Grown Seed —Pk. 50c, bu. \$1.35, 3 bu. \$3.75, 10 bu. \$11.50, 25 bu. for \$27.50.

SWEDISH SELECT

EARLY CHAMPION

NO EXTRA CHARGE FOR BAGS TO HOLD SEED GRAIN AS THEY ARE FURNISHED FREE!



## SEED RYE

**MAMMOTH SPRING RYE.**—This is quite different from the winter rye and is highly valued wherever known. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high, being better than that of winter rye and producing nearly four times as much straw as oats. Produces 30 to 40 bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. There is always a demand for first quality rye straw and the price is nearly always remunerative. The double crop of straw and grain make it one of the most profitable of farm crops. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 50c, bu. (56 lbs.) \$1.70, 2 bu. or more at \$1.60 per bu., 10 bu. or more at \$1.50 per bu.

**MONSTER WINTER.**—We consider Winter Rye one of the most important of all farm crops. In the first place, it is a sure crop, failures being almost unknown. Every farmer should have at least a few acres of it. It is usually sown in the fall, and as it grows very vigorously, will furnish pasture till late in the fall and also early in the spring before other grasses have made a growth. So it is of great value to dairy farmers. If sown early in the spring it makes an early and abundant pasture, but makes no grain crop. Our Monster Rye is of extra quality. We are sure it will please you, no matter whether you want it for pasture or grain crop. As grown for the grain alone it will yield great returns and make money for you. As much as 60 bushels per acre have been produced. Pk. 50c, bu. \$1.40, 2 bu. or more at \$1.30 per bu. (56 lbs.), 10 bu. or more \$1.25 per bu.

## SEED BARLEY

**MANDSCHEURI.**—Improved strain of standard six-row bearded barley. The standard market variety by which all are graded and therefore the most popular bearded sort. It is an early variety, very strong, stiff straw, stands up and stools well. It bears large, well-filled heads of plump-berried grain. Per lb. 25c, 3 lbs. 60c, postpaid. By freight pk. 50c, bu. (48 lbs.) \$1.40, 2 bu. or more at \$1.30 per bu., 10 bu. or more at \$1.20 per bushel.

**ODERBRUCKER.**—First introduced into the United States twelve years ago from the Agricultural Experiment Station at Guelph, Ontario, Canada. Bred and disseminated at the Wisconsin Agricultural College by Prof. R. A. Moore, who claims it is the greatest barley in this country for feeding or malting purposes. It and Mandscheuri have held the record for many years for the heaviest yielding varieties. It is bearded, and in manner of

growth similar to the Mandscheuri, but the straw is somewhat stronger and stiffer, and will stand up on the richest ground. Will not rust and is free from smut. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 50c, bu. \$1.55, 2 bu. or more at \$1.45, 10 bu. or more at \$1.35 per bu.

**SUCCESS BEARDLESS.**—A very valuable variety. The earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land; on good land will produce 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless and

as easy to grow and handle as oats. It has hulls like the Mansury or any other old variety, and is a heavy cropper, yielding from 50 to 75 bushels per acre, and the quality is excellent, both for malting and for feeding hogs. Per lb. 25c, 3 lbs. 60c, postpaid. By frt., pk. 65c, bu. (48 lbs.) \$2.00, 2 bu. or more at \$1.90 per bu., 10 bu. or more at \$1.80 per bu.

**IDEAL WHITE HULLESS.**—Is a barley that pleases all who try it. The heads are large and well filled with big, plump kernels which are hullless and of great value for feeding. Weighs 60 to 65 pounds to the measured bushel, while ordinary barley weighs only 48 pounds. The straw is very stiff and strong. It is the handsomest variety that we know of. The kernels shell out without the hulls and are the prettiest and handsomest white berry, plump and oval in shape, that has ever been grown. It is not a malting barley, but can be used for feeding only, and as a fattening feed for hogs it has no equal. Is a vigorous grower and can be sown after all the other grain is sown and it will mature before wheat or oats. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 75c, bu. (48 lbs.) \$2.50, 2 bu. or more at \$2.35 per bu., 10 bu. or more at \$2.25 per bu.

## YOUR CHECK IS GOOD

It is sometimes inconvenient for our farmer customers to send to town for draft or money order and if you have money in bank you can send your personal check with the order to pay for farm seeds. We make this offer to save you trouble and delay in obtaining seeds.

## NOVELTY FARM SEED COLLECTION

Many of the items in this collection are not strictly novelties but few of them are generally known to our customers. For a very small price we offer an opportunity to study these plants and determine for yourself their value in agriculture. The collection consists of one good size pkt. of Primitive or Husk Corn, Cobless Corn, New Century Wonder Corn, Giant Cuzco Corn, Seradella, Teosinte, Sand Vetch, Australian Salt Bush, Pencilaria, Milo Maize, Thousand Headed Kale, New Era Cow Peas and Soja Beans—13 kinds in all—postpaid, 60c.

HULLESS BARLEY

BEARDLESS BARLEY

MANDSCHEURI BARLEY

MONSTER WINTER RYE AND SAND VETCH MAKE EXCELLENT PASTURE BOTH FALL AND SPRING



## SPELT, OR EMMER

### A Valuable New Grain from Russia

This new grain was first introduced into this country by our house about 10 years ago, has proven of great value, and is now listed by almost all of the leading seedsmen. It has become a staple crop in all sections of the west and northwest and its position in the list of grains is thoroughly established. It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or shock. It is really better to thresh it as the process breaks up the beards and straw so that the animals eat it more readily. It is a splendid feeding grain, in our opinion second only to corn, and in dry or cold sections where corn will not mature Spelt will be the very best live stock feed that can be produced. It is in the cold and arid regions that it thrives best, and will yield wonderful crops under adverse conditions. Records of 75 to 100 bushels of grain and 3 to 5 tons of straw are reported from Kansas, Nebraska and the Dakotas. It can be used for pasturage and hay after the manner of rye, and if sown with field peas the hay will be strictly first quality. Its value lies in its hardiness, great yields, and feeding value, and it can be grown anywhere in the corn belt with profit. Use 50 to 75 lbs. of seed per acre. Per lb. 25c, 3 lbs. 60c, post paid. By frt. or exp., not prepaid, pk. 50c, bu. (40 lbs.) \$1.50, 2 bu. or more at \$1.40 per bu., 10 bu. or more at \$1.35 per bu.



Illustrating Heads, Grain and Growth of Spelt or Emmer

## SEED FLAX

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have ruled very high. Our seed is thoroughly re-cleaned, free from mustard or any other weed seed and is as good as can be purchased anywhere. Don't buy flax seed on open market. It is generally full of weed seed. One of the most profitable crops, especially on new land. Price subject to change. Per lb. 20c, 3 lbs. 50c, postpaid. By freight or express, not prepaid, pk. \$1.00, bu. \$2.75, 2 bu. or more at \$2.65, 10 bu. or more at \$2.50 per bu.

## MIDSUMMERCATALOGUE

How to grow two crops each year. A catalogue of seeds for summer sowing and a special treatise on Alfalfa sent free on request to any of our customers.



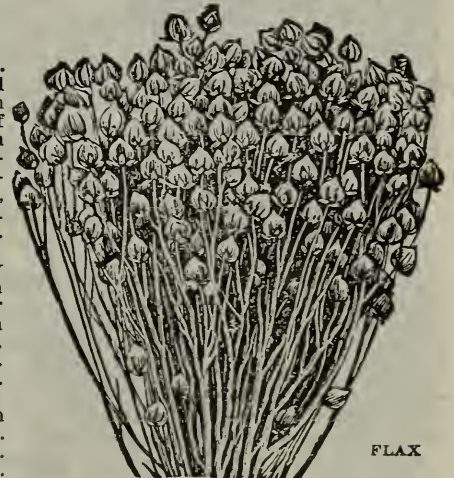
## BROOM CORN

**CALIFORNIA GOLDEN.**—Carefully selected and improved so that the brush is straight and long. Of fine quality, light green color, turning to light yellow when allowed to become too ripe. Per lb. 25c, 3 lbs. 65c postpaid. By frt. or express, not prepaid, pk. 85c, bu. (50 lbs.) \$2.75.

**EVERGREEN.**—Largely grown in the western states. Brush noted for fine quality, good length and handsome appearance. Lb. 25c, 3 lbs. 65c, postpaid. Frt. or exp. not prepaid, pk. 85c bu. (50 lbs.) \$2.75.

**DWARF.**—Popular in some sections, matures late. Lb. 25c, 3 lbs. 65c, postpaid. Frt. or exp. not prepaid, pk. \$1.00, bu. (50 lbs.) \$3.25

EVERGREEN  
BROOMCORN



FLAX

## BUCKWHEAT

Buckwheat is a valuable crop for those parts of the farm which always seem to be left unplanted at the close of the season. Generally sown in July and will fill up the vacant plots at a time when all other planting is past. Can be sown after crop of winter wheat or rye and make a second crop. Use about one-half bushel seed per acre. Prices subject to change.

**JAPANESE.**—A week earlier than Silver Hull and yields more. Flour is equal to any other buckwheat, while it is more productive than any other, and succeeds well far north. The kernels are quite large, but the straw is heavier and it branches more; need not be sown as thickly as other kinds. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 50c, bu. (48 lbs.) \$1.60, 2 bu. at \$1.50 per bu., 10 bu. for \$14.00.

**SILVER HULL.**—Very good, popular variety. Grain is of light gray color, rounder than the common variety, has a thinner husk, earlier and yields more. It is preferred by the mills grinding buckwheat flour as it makes a smaller proportion of hull to flour than any other variety. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 55c, bu. (48 lbs.) \$1.75, 2 bu. or more at \$1.65, 10 bu. for \$15.00.

HARVEST WINTER WHEAT OR RYE AND SOW BUCKWHEAT. GET TWO CROPS IN ONE SEASON



# FORAGE AND FODDER PLANTS

Every plant that will conserve the hay raised on a farm is of material advantage to the farmer. In this department will be found a number of items which, if properly used, will solve the problem of feed for the live stock when hay and pasturage are short from any cause. Amber Cane or Kaffir Corn for fodder; Rape or Kale for pasturage; Vetch or Field Peas for hay can be used by any farmer in the corn belt with profit. All may be siloed with corn to advantage.

## EARLY AMBER CANE

Dairy farmers say that Early Amber Cane is the most valuable fodder plant in existence for their use. Notwithstanding its great adaptability as a food for live stock it is only recently that the real value of sorghum (or sugar cane) has attracted general attention. Its great merit is now beginning to be appreciated. It is of the very best quality, being sweet, tender, nutritious and greedily eaten by cattle, horses and hogs. Dairymen find that the cows will give more and richer milk from its use. It can be grown successfully in any part of the country, from Canada to Texas, and from the Atlantic to the Pacific. It is one of the best plants to withstand drouth and unfavorable weather and is therefore a comparatively sure crop. It is wonderfully productive, the Ames Agricultural College harvesting 29 tons per acre on August 27th from a plot seeded May 21st. It is usually put in during June, sowing 100 pounds per acre broadcast, or 60 to 75 pounds per acre is sown with a wheat drill. Cut in September or just before frost with a mower and cure like hay, or with a binder and stand the bundles up. Many varieties are used but we consider the Black or Red Seeded Amber the most desirable. If wanted for sorghum purposes, we recommend sowing the Kenney's, which is purer, as there

are so many different varieties of sorghum and allied plants like Kaffir and Milo Maize, that it is difficult to secure a strictly pure lot of seed of any of these plants. This cheaper grade is about as desirable for fodder purposes. Price is subject to market changes but it usually advances later in the season. Per lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, 10 lbs. 60c, 25 lbs. \$1.25; 100 lbs. \$4.00; 500 lbs. or more at \$3.75 per 100 lbs.

## KENNEY'S EARLY AMBER CANE

An improved variety grown on our own farms to keep it pure; will make the very finest grade of beautiful amber syrup of delicious flavor, and many persons will prefer it for table use to either maple syrup or honey. It is said that over 250 gallons have been produced per acre, and in addition a crop of seed worth \$25 or \$30 can be grown at the same time. Why not supply your own table in this way, as it is as easily grown as a crop of corn and succeeds well in all parts of the United States. Requires only 5 lbs. of seed per acre. Per lb. 35c, 3 lbs. \$1.00, postpaid. By freight or express, not prepaid, 10 lbs. \$1.75, 25 lbs. \$3.50, 50 lbs. \$6.50, 100 lbs. \$12.00.

## MILO MAIZE

This is a plant very similar in manner of growth to Kaffir Corn, but is preferred by many growers who claim that it produces more grain per acre and better quality of forage than any of the non-saccharine sorghums. Is grown and handled in the same manner as Amber Cane or Kaffir for hay and fodder, and will make splendid ensilage if cut up with corn. Pkt. 5c; lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, pk. 60c; bu. (56 lbs.) \$2.00, 2 bu. or more at \$1.85 per bu.; 10 bu. for \$17.50.

## SAND OR WINTER VETCH

A forage plant of high value and is highly recommended by the U. S. Dept. of Agriculture. Produces good crops on poor, sandy soil, but more vigorous on good land. Grows 4 to 5 feet high. Recommended for seeding with fall rye for winter and spring pasturage; hardy throughout U. S.; green all winter. Exceedingly nutritious, more so than clover; eaten with a relish by all stock. Earliest for cutting and a full crop may be taken off before planting spring crops. Sow ½ bu. per acre in spring or fall. Pkt. 5c; lb. 35c; 3 lbs. 90c, postpaid. By frt. or exp., not prepaid, pk. \$2.50; bu. (60 lbs.) \$9.00; 2 bu. or more at \$8.75.



SAND VETCH



KAFFIR CORN

## KAFFIR CORN

A most excellent fodder plant. Grows 5 to 6 feet high, making a straight, upright growth. The stem or stalk bears numerous wide leaves. The stalks keep green and are brittle and juicy, making excellent fodder either green or dried. The seed crop is also heavy, yielding sixty bushels to the acre. Both grain and fodder are excellent. There is no failure about it; can go without rain without any loss in yield. The grain is extremely valuable for feeding to poultry. Cultivated the same as common corn, requiring 5 lbs. of seed per acre. For fodder sow one-half to one bushel, either broadcast or in drills. Pkt. 5c; lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, pk. 60c; bu. (56 lbs.) \$2.00; 2 bu. or more at \$1.85 per bu.; 10 bu. at \$1.75 per bu.

## TEOSINTE

A fodder plant grown largely in some parts of the country. Somewhat resembles corn in general appearance, but leaves are much longer and broader and the stalks contain sweeter sap. Eighty-five stalks have been grown from one seed, attaining a height of 11 feet, and very thickly covered with leaves. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm at usual corn planting time, in hills 3 to 4 feet apart each way, two seeds to the hill. Has yielded 50 tons of fodder to the acre. Large pkt. 5c; oz. 10c; ¼ lb. 50c; lb. \$1.00; 3 lbs. (sufficient for acre) \$2.75, postpaid.

## PENCILARIA

Has proven a great boon to farmers, especially in dry sections. It does not do so well during wet seasons, being particularly a dry, hot weather plant. An improvement of the Pencilaria Spicata (Pearl Millet), much better adapted to the north and producing good crop where Pearl Millet is a failure. Seeds very small, and when it first comes up looks like grass, but very soon resembles corn, growing rapidly, and having broad, succulent leaves. Stools out wonderfully, customers reporting as high as 75 stalks grown from one seed. Sow in May or June in drills 24 to 36 inches apart, using 2 lbs. seed per acre, or broadcast, 15 lbs. per acre. Pkt. 5c; ¼ lb. 15c; lb. 35c; 3 lbs. \$1.00, postpaid. By freight or express, not prepaid, lb. 25c; 5 lbs. \$1.00; 25 lbs. \$3.75; 100 lbs. \$13.50.

## TREE AND HEDGE SEEDS

(By mail, postpaid.)

Variety.	Pkt.	Oz.	¼lb.	Lb.	Variety.	Pkt.	Oz.	¼lb.	Lb.
Apple .....	.05	.15	.40	1.25	Locust, Black .....	.05	.10	.25	.75
Ash, White .....	.05	.10	.30	1.00	Locust, Honey .....	.05	.10	.25	.75
Box Elder .....	.05	.10	.30	1.00	Mulberry, Russian .....	.10	.30	1.00	3.50
Catalpa, Hardy .....	.05	.25	.75	2.25	Osage Orange .....	.05	.10	.30	1.00
					Tree of Heaven .....	.05	.10	.25	.75



EARLY AMBER CANE



PENCILARIA

YOU CANNOT REALIZE THE IMMENSE VALUE OF THESE FODDER PLANTS UNLESS YOU TRY THEM



**DWARF ESSEX RAPE**

Without question the most popular and profitable of all annual forage plants, and everywhere gives the best satisfaction. Easily grown anywhere and stands unsurpassed as a pasture plant for hogs, cattle or sheep. They eat it greedily and seem to prefer it to any other pasture during summer and till late fall or early winter. It can be sown early in the season to provide early pasture for sheep and swine or sow in small grain a week or so before cutting to provide pasture after harvest, or sow on the stubble, but it is more generally sown in June, July or August with corn or potatoes or on well prepared land alone for summer and fall pasture. It is extremely cheap and very prolific, having yielded twenty tons of fodder per acre. At the Iowa Agricultural Station at Ames, sixty bushels of oats and eighteen tons of rape were grown on a single acre, the oats and rape being sown together early in the spring. The rape interfered but slightly in oats harvest, and produced a heavy growth amounting to eighteen tons in October. Sow in drills, two or three pounds per acre, and cultivate. Broadcast, four or five pounds per acre. A Nebraska farmer says that he sowed only three pounds per acre on a four and one-half acre field, and five weeks after sowing he turned eighty head of hogs and forty pigs into the field and they pastured there until October. It grew so rapidly that at no time could he tell where they had been 20 feet away from the gate. Our seed is the best quality. Pkt. 5c, lb. 30c, 3 lbs. 80c postpaid. By freight or express, not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 25 lbs. \$2.25, 100 lbs. \$8.00. Write for free circular on growing rape.

**THOUSAND HEADED KALE**

Will yield a much heavier crop than Dwarf Essex Rape and is now considered much superior to the rape in some sections. The seed can be sown early in April or any time thereafter till midsummer. It grows to a height of 3 to 4 feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale was given it. Sow broadcast 3 lbs. per acre, or in rows 18 in. apart, using 1 lb. per acre. Pkt. 5c, 1 lb. 15c, lb. 50c, postpaid; 5 lbs. or more by express, not prepaid, at 35c per pound.

**SERADELLA**

When traveling in Germany we found that Seradella was the most profitable of all fodder plants grown there and almost everybody grows it for hay. Specially adapted to light, poor or sandy soil, being equal to red clover in nutritive qualities and also yields larger crop. One of the best drouth-resisting plants known and does well on high land as well as low. Cattle are very fond of it as hay, green fodder or for pasturing. It is not a perennial, but can be cut twice and will produce good pasture balance of year. Sow early in spring alone or with wheat or other grain. Pkt. 5c, lb. 30c, 3 lbs. 80c, postpaid. By freight, 10 lbs. \$1.50, bu. of 45 lbs. (will sow 3 acres) \$6.50.

**GIANT SPURRY**

Excellent for pasture and grows so well on dry, sandy soil that it has been called "the clover of sandy land." Is readily eaten by sheep and cattle. Sow broadcast in March, April or May. Pkt. 5c, lb. 35c, 3 lbs. 90c, postpaid. By frt. or express, not prepaid, 10 lbs. \$1.25, 50 lbs. \$5.00, 100 lbs. \$9.75.

**SUNFLOWER**

A small patch of cultivated sunflowers will produce an immense amount of the very best poultry feed for winter. Drill in rows, cut with a corn harvester, dry thoroughly and let the fowls do the threshing. If you can't spare land for cultivating plant them in the waste corners. We sell sunflowers for feeding purposes, and prices will be found with bird supplies on page 146, but seed so offered is not sold for germination. Ornamental varieties are listed with flower seeds.

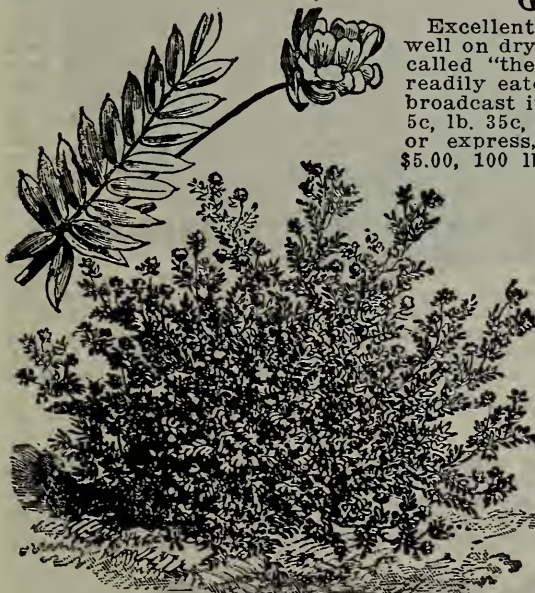
**MAMMOTH RUSSIAN.**—An extremely large sunflower. Large pkt. 5c, lb. 25c, 3 lbs. 65c, postpaid. By freight or express, not prepaid, 10 lbs. \$1.00, bu. (25 lbs.) \$2.00.

**WHITE BEAUTY.**—Equal in size to Mammoth Russian. Pkt. 5c, lb. 35c, 3 lbs. \$1.00, postpaid. By frt. or express, not prepaid, 10 lbs. \$1.25, bu. (25 lbs.) \$2.50.

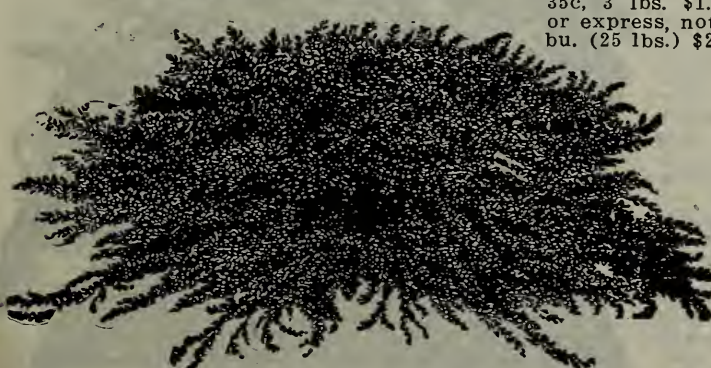
**AUSTRALIAN SALT BUSH**

A valuable plant for soils containing alkali and for all regions able to furnish forage during hot, dry summer months in western and southern states. Not hardy in north. Needs some little moisture to start it into growth but when once started it will make a strong growth during hottest and driest weather. Spreading habit, branching freely, making thick mat of stems and foliage 12 to 18 inches over entire surface of the soil. Pkt. 5c, oz. 15c, 1 lb. 40c, lb. \$1.25, postpaid; 5 lbs. or more by express, not prepaid, at \$1.00 per lb.

**KEEP POSTED. SEND FOR OUR RED INK FARM SEED PRICE LIST. IT COSTS YOU NOTHING AND TELLS PRICES AT TIME OF MAILING.**



SERADELLA



AUSTRALIAN SALT BUSH.

**WE SELL CARLOADS OF DWARF ESSEX RAPE SEED EVERY YEAR. IT IS A PROVEN SUCCESS**





NEW ERA COW PEAS

**Prices of Farm Seeds are subject to change. When ready to buy send for copy of our Red Ink Price List showing current values.**



WHITE CANADA FIELD PEAS.



SOJA BEANS

## COW PEAS

There is as much difference in the grading of cow peas as in clover, and we handle only the choicest grade. We are certain you will not be able to get better value for your money than we offer. Circular on Cow Peas free on request.

**NEW ERA.**—The earliest variety of Cow Peas in existence and therefore most decidedly the best for growing in the northern states. Make splendid hay and are particularly recommended for planting after grain harvest and plowing under in fall. If you will get the grain off the ground early and plow and plant to New Era Cow Peas you can put the ground in fine shape for next year's crop. You will not have to haul manure on land so treated. Sow in orchards and use either for feed or soiling. Every farmer can use them profitably as the New Eras mature in 60 days and have done well as far north as Minnesota. Pkt. 5c, lb. 25c, 3 lbs. 65c, postpaid. By frt., pk. \$1.00, bu. \$3.50, 5 bu. or more at \$3.25 bu.

**WHIP-POOR-WILL.**—The most highly valued plant in the south for fodder and reclaiming old and worn out land, as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The Whip-Poor-Will is the most popular sort and yields a good crop of both fodder and peas. When ripened the ground peas make the best cattle fattener. Pkt. 5c, lb. 25c, 3 lbs. 65c. By freight, pk. \$1.00, bu. \$3.50, 5 bu. or more at \$3.25 per bu.

## WHITE CANADIAN FIELD PEAS

For northern states there is no crop of greater value than Field Peas, and none is more neglected, which can only be attributed to a lack of knowledge as to their merits as a fodder, being very rich in the elements that improve the muscle, bone and nervous system. Sow as early as the ground can be worked, using one bushel of peas and two bushels of oats per acre. Cut when the oats are in the milk and cure for hay. This is the quickest possible way to produce a crop of peas and they are especially valuable to the farmer who has not enough meadow land. Pkt. 5c, lb. 25c, 3 lbs. 65c. By frt., pk. 60c, bu. \$2.90, 5 bu. or more at \$2.75 per bu.

## SOJA, OR SOY BEANS

**Coffee Berry**—Also called Soy Bean.

**IMPROVED YELLOW.**—A splendid soiling and hay crop, preferred by many planters to Cow Peas as they stand up better and are easier to harvest for hay or silo uses. The great value of this crop lies in the fact that they fertilize the soil like clover; the ground peas are equal to linseed oil meal for feeding value; while as hay for silo it is equal to or better than clover. This variety will mature in all parts of the corn belt and in the middle states has been grown over 4 feet high, heavily podded with seed, producing ten tons of feed per acre. The Iowa Agricultural College at Ames uses Soy Beans in building up the soil, planting in late May or June and plowing the crop under in fall. Pkt. 5c, lb. 30c, 3 lbs. 60c, postpaid. By express or freight, not prepaid, pk. \$1.00, bushel (60 lbs.) \$3.50, 5 bu. or more at \$3.25 per bushel.

## IMPROVED PROLIFIC TREE BEANS

Also called California Wonder. Undoubtedly the most prolific bean grown, and it will yield a larger crop under ordinary circumstances than any variety we have ever seen. On our farm it yielded a crop of 41 bu. per acre. Beans pure white, small size, resembling the "Navy." Pkt. 5c, ¼ lb. 10c, lb. 20c. By frt., pk. \$1.25, bu. \$4.00.

## IMPROVED NAVY BEANS

### OR BOSTON PEA BEANS

A wonderful improvement over the old-time Navy Bean and superior to Michigan pea bean. Makes a very desirable farm crop, especially in the far north. Pkt. 5c, ¼ lb. 10c, lb. 20c, postpaid. By frt., pk. \$1, bu. \$3.75, 2 bu. or more at \$3.50.



PLANT OF PROLIFIC TREE BEAN

## YOU ARE PROTECTED

in purchasing farm seeds of us. We give you 15 days to inspect and test them. Return them if not satisfactory and the money paid for them will be refunded.

## VEGETABLE FARM CROPS

Many of our best and most profitable farm crops are listed in this catalogue among the vegetables, and we have thought best to call our farmer friends' attention to them at this point, for fear they might be overlooked or not appreciated because they did not appear in the Farm Department.

**Mangel Beets** (see p. 7).—Are of special value to the stock feeder and produce enormous crops.

**Carrots** (see p. 10).—Are another root crop producing heavy crops and recommended to the houseman and dairy farmer.

**Pumpkins** (see p. 29).—Two crops on one field if you plant them in the corn. Seems like there are never enough in the markets.

**Onions** (see p. 24).—Always salable at profitable prices, for they can be sent to the market without loss or shrinkage.

**Citron Melons** (see p. 21).—Grown in dry sections in preference to pumpkins for stock feed; are used in same manner.

**Pop Corn** (see p. 17).—A field crop grown in hundreds of acres in northwest Iowa. A great market is now established for this product by the breakfast food manufacturers.

**Parsnips** (see p. 28).—A good farm crop, since they can be marketed either fall or spring and produce wonderfully.

**Squash** (see p. 33).—A profitable crop for the farmer near a market. Demand always good for the large late varieties.

**Turnips and Ruta Bagas** (see p. 36).—Recognized as the field crop of all others to occupy the waste spots and produce feed after the planting season for other crops is past.





ROSE OF THE NORTH

**ROSE OF THE NORTH**

An improvement on the old Early Rose which has been grown on the virgin soil of the far north. It is very early, being only a trifle later than the Early Ohio and much larger. Is smooth and of handsome rose color. Quality superb, either baked or boiled, and yields immensely. Keeps sound well into spring. Pk. 60c, bu. \$2.00, 5 bu. or more at \$1.85 per bu.

**SEED POTATOES**

"The Proof of the Potato is in the Eating"

**P**RICES on potatoes frequently change as the market advances or declines. If you want a quantity write us for special quotations. : : : :

Potatoes have proven a most profitable crop for several years. Market prices have ranged from 75 cents to \$1.00 per bushel for ordinary eating stock during winter and spring and at such prices there is no field crop will yield better returns for the land and labor used in the growing. Last year the demand was heavier than we could supply, but this season we have a very heavy stock of extra fine tubers, northern grown, and we believe we shall be able to meet all demands with choice seed carefully sorted and stored under condition that does not weaken the germ.

With no other seed is the importance of change more essential than with potatoes, and by using our northern grown seed you are assured of **early maturity, increased yield and vigorous growth.** The following varieties are, we think, the best and most satisfactory sorts for growing in Iowa and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order early as possible and we will ship as soon as weather permits. Prices are subject to important market changes, and we will advise you upon receipt of order if prices have advanced or declined.



**A PLANET JR. NO. 8 HORSE HOE** is the best machine for cultivating the potatoes. You can do all the work but the planting with this tool, and do it with ease and satisfaction. : : : :

FANCY NORTHERN GROWN EXTRA EARLY OHIO (Grown in Red River Valley)

**EXTRA EARLY OHIO**  
Fancy Northern Grown Stock

For several years past we have been having these grown in the noted Red River Valley, about 400 miles north of Des Moines, and careful tests have proved them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the gardener, and puts this variety at the head—the most popular of all. They are all of good, average size, strictly pure, smooth and free from scab or rot, and outyield the other early sorts. It is an especial favorite with marketmen, and the most profitable potato they can grow. The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices. They will keep firm till late in the spring. This variety is frequently sold under the name Extra Early Six Weeks. This is our specialty in standard varieties. Also desirable for late planting as they keep well for winter and spring use. Pk. 75c, bu. \$2.25, 5 bu. or more at \$2.10 per bu.

**EARLY OHIO**  
Grown in Iowa

These were originally from our choice northern grown stock. Have been kept pure and are really good. They have been grown a year or two in this state and it is possible they are a few days later in maturing, and will not be quite so good as the fancy northern grown stock, but they are as fine as can be found in Iowa and can be grown for market with profit as the cost for seed will not be excessive. Pk. 65c, bu. \$2.00, 5 bu. or more at \$1.85 per bushel.

**POUND PRICES.**—All varieties, except where quoted, 25c per lb., 3 lbs. 60c, postpaid. Read T. B. Terry's new book, "A B C of Potato Culture." Price 50c, postpaid.

**IRISH COBBLER****EXTRA EARLY NORTHERN GROWN STOCK.**

The Irish Cobbler has the form and color so popular in the market. Is prolific and profitable to the grower and from these causes has become a much prized variety. Matures as early as the Early Ohio, and is preferred by many because it is smooth and round in shape and of cream white color. The flesh is white and of fine quality and flavor. It is a strong, vigorous grower, with strong germ. Eyes well developed and slightly indented. Generally quoted at a premium in the summer markets because it is of economical shape, there being no waste in preparing for cooking. It is rapidly taking front rank as a market variety, and its popularity is founded on real merit. As with the Early Ohio, we recommend our northern grown stock as being more prolific and earlier in maturing. Pk. 75c, bu. \$2.25, 5 bu. or more at \$2.10 per bu.



**SLUG SHOT IS CHEAP AND WILL KILL POTATO BUGS. BETTER ORDER SOME WITH YOUR POTATOES**



## POTATOES---Continued

### RURAL NEW YORKER

#### The Most Popular Main Crop Variety.

One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes, skin white as is also flesh, which is of superior quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. Although it is a large yielder it grows but few and small vines. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. For this reason it is one of the most desirable varieties for farmers and potato growers near large cities to grow for main crop for market. Under ordinary circumstances they will yield from 300 to 400 bushels per acre and by heavy manuring this yield can be almost doubled. Pk. 65c, bu. \$2.00, 5 bu. or more at \$1.85 per bu.

### BURBANK

#### A Standard Long White Variety.

An old standard main crop variety which is very popular because of market demand and heavy yields. Satisfies both the grower and the consumer. Tubers are large, oblong and have fairly deep eyes. Color white, quality excellent, cooking very mealy and of attractive whiteness that pleases. It is the standard market potato in most of the potato growing districts and contends with Rural New Yorker for first place. Our seed is good and we offer it believing it will give results. Pk. 65c, bu. \$2.00, 5 bu. or more at \$1.85 per bu.



RURAL NEW YORKER

### NORTHERN KING

#### A Main Crop Potato of Exceptional Quality.

This potato is an improvement over the Bonanza, which we have previously offered as the potato par excellence in quality. The Northern King has the light red or pink color and the oblong shape of the Bonanza, but are much more vigorous and prolific. They will outyield either Rural New Yorker or Burbank and because of extra vigor and vitality will make a crop under most trying conditions. They are very popular with market dealers as they always give satisfaction to the purchaser. It is quality that recommends this variety, the writer preferring them to all other kinds for winter use. The tubers average larger in size than most sorts, are smooth and of good shape, and they cook whole, either baked or boiled, without hard centers or becoming "soggy." For the family who wish to grow their own potatoes for the winter supply we believe the Northern King will prove the best variety to plant. Pk. 65c, bu. \$2.00, 5 bu. or more at \$1.85 per bu.

**HYBRIDIZED POTATO SEED.**—Potato seed from the flower boll (the true seed). It is from such seed that the choice new varieties of potatoes are originated. The result is interesting and often very profitable, and you are just as apt to obtain a choice new variety as an experienced potato specialist. Pkt. 10c, 3 for 25c.

## SEED SWEET POTATOES

### PRICES SUBJECT TO CHANGE OF MARKET.

Many people hesitate to grow sweet potatoes, believing that a great deal of extra work is necessary to produce the crop. The only extra work connected with it is in the production of plants and if you are not prepared to grow these yourself they can always be purchased at a reasonable price. It is not, however, difficult to grow plants and if you desire information on this topic ask for our circular "How to Grow Sweet Potatoes," and we will be glad to mail it to you free. About the only difference in the field culture is that the ridges are made for sweet potatoes before setting out the plants. The only secret is to keep them free from weeds and the ground mellow. After the vines begin to run they will keep down the weeds themselves. A light, sandy soil is best. To run they will keep down the weeds themselves. A light, sandy soil is best.

The seed sweet potatoes which we offer are grown, stored and handled especially for seed purposes. They are not cold storage stock on which the germ has been killed but are fresh and vigorous. It is absolutely necessary that they be handled quickly in spring as they do not keep well after being taken from the storage bins. We cannot guarantee them to all be sound upon arrival and we try to protect our customers by prompt service. For this reason we hold the potatoes until the weather is settled and then fill all orders at once so as to get them to our customers promptly. We usually ship from April 12th to 20th and notify our customers when we start them. Prices are subject to change of market, and we will be pleased to quote firm prices in March. Your order will be filled at ruling prices on date of shipment and you will be advised should the price advance or decline before April 10th.

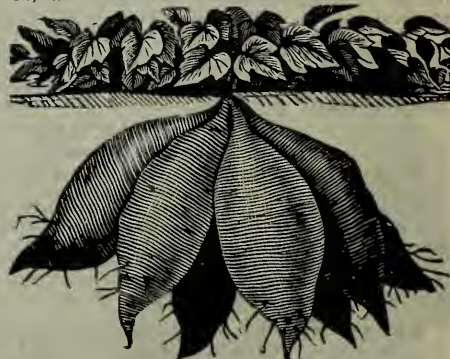
It does not pay to buy sweet potatoes in small lots. Better buy the plants unless you will need more than 1,000. See page 38 for price of plants.

**EARLY YELLOW JERSEY.**—An improvement on the Yellow Nansemond. In spite of the many so-called new varieties, all of which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short chunky shape and of the very best quality. It will probably always remain the most popular market sort. Peck 60c, bushel \$2.00, barrel \$4.50. Ask for price in quantities.

**RED JERSEY.**—Similar in shape to Yellow Jersey, but dark red color. Do not rot so quickly as other kinds and are preferred by many. Quality is excellent. Pk. 75c, bu. \$2.25, bbl. \$5.50.

**WHITESOUTHERNQUEEN.**—These are the large "Yams" which are so popular in the South. Even the seed potatoes are monster size and often weigh several pounds each. Peck 75c, bushel \$2.20, barrel \$5.00.

Any of the above varieties of sweet potatoes by mail, postpaid, at 35c per lb., 3 lbs. \$1.00.



EARLY YELLOW JERSEY



NORTHERN KING

*I received the sweet potato plants in very good condition. I did not believe you could send me plants to Texas so fresh and nice.—Chas. Schubert, Lexington, Texas.*

*I have received the sweet potato plants. They were so nice and green we were very much pleased.—Mrs. A. Peterson, Denison, Iowa.*

*The potatoes you shipped me are the nicest I have ever seen in size, smoothness and purity. Geo. M. Graff, Orleans, Ill.*

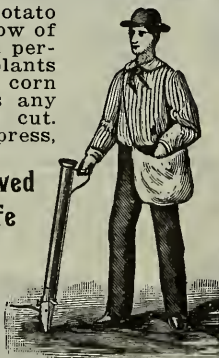
### EUREKA POTATO PLANTER

The best hand potato planter that we know of as it does the work perfectly. It also plants beans and seed corn equally as well as any corn planter. See cut. Price \$1.25, by express, not prepaid.

### Concaved and Curved Seed Potato Knife

It is thin and of the right shape to cut 1, 2 or 3 eye pieces fast and not crack the tuber, nor injure germ.

Each 35c, postpaid.



EUREKA POTATO PLANTER



CONCARVED AND CURVED POTATO KNIFE





## NEW CROP, RECLEANED, TESTED GRASS SEEDS

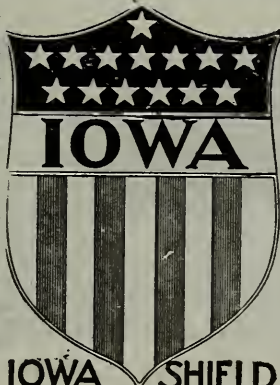
No seed firm in this country takes greater pains and care in the purchase and sale of grass seeds handled than do we, and none have experts of greater knowledge or better judgment. The men in charge of buying, cleaning and grading have all had more than twenty years' experience in our own establishment. We also have the latest and best cleaning machinery and thus equipped we are in position to furnish and do furnish the very highest possible quality in this line. No expense is spared either in purchase price or handling to keep up the quality; and of course it costs a little more, but when you see a field of grass, free from weeds, of strong and vigorous growth, you will realize that quality is and should be of greater concern than price. If grass seeds bought of us are not satisfactory they may be returned within fifteen days and money will be refunded.

### OUR IOWA SHIELD BRAND GRASS SEEDS

Now have a national reputation and are shipped to every part of the country where grasses grow. Our Iowa Shield Brand of Clover, Timothy and other seeds is strictly new crop of exceptional purity and has been thoroughly re-cleaned on the best electric seed cleaning apparatus made. It is plump, nice seed, carefully tested and proven to be of strong germinating qualities. These we have thoroughly re-cleaned, tested and carefully inspected under the microscope for foul weeds. To distinguish them from ordinary grades, we call our best grade the "Iowa Shield Brand." It is shipped in sealed and branded bags. It is sure to produce vigorous, healthy plants and an exceptionally good crop if the weather and soil conditions are not unfavorable. It pays to sow the best seeds obtainable and our Iowa Shield Brand is, we are sure, superior to any other.

Our Iowa Standard grade clover, timothy and other seeds is really a choice grade, fully up to requirements of the Iowa Pure Seed Law in purity and vitality, and is, we believe, as good seed as you could obtain from most dealers, but it is not equal to our Iowa Shield Brand.

**Write for prices.** They change constantly and we cannot make a price which will be invariable. We issue a price list each week from January to June. If you are in a hurry order seed and we will send full value of money received on day order arrives. We pay postage at the 1 and 3 lb. rate only. If you want pound lots by express deduct 10c per lb. from price quoted. Large quantities shipped at purchaser's expense. Trial packets 5c each.



**IOWA SHIELD BRAND**

### TIMOTHY

We make a specialty of supplying the choicest timothy direct to farmers. No variety of our natural grasses is more cultivated than timothy, and for meadows it is very valuable. It is best suited to moist, rich, strong and loamy soils where it grows to perfection, but does not succeed as well on dry, sandy soil. It is very nutritious, and makes good hay, but should be cut at the time of flowering. We are located in the best section of the country for growing timothy seed and more of it is grown in Iowa than in any part of the world.

There is not more than one field of timothy in a hundred which produces our Iowa Shield grade. It is very bright in color, but little hulled, almost absolutely free from impurities and of high vitality, and therefore requires only about 3 lbs. of seed per acre. Per lb. 25c, 3 lbs. 60c, postpaid. Ask for price in quantity.



TIMOTHY

### CLEAN SEEDS

Few persons can detect impurities in grass seeds unless seed is very foul. Often our friends have watched our re-cleaning machines and wondered where the impurities came from, as the seed seemed without dirt or trash before cleaning. Other dealers who have happened to be in our warehouse when we were cleaning clover, have remarked that the seed looked so nice they should not reclean it. From these same lots we were cleaning out 3 to 5 lbs. per bu. of trash, sand and shrunken clover seed. This makes quite a difference in real value and our seed is really worth \$1.00 to \$2.00 per bushel more than that obtained from most dealers. The Nebraska Experiment Station tested clover seed from the leading seed firms of the country, and our seed stood highest for purity of any west of Pennsylvania, and with one exception, the highest of any in the United States.

### FARMOGERM

In response to inquiry from many patrons, we are here offering the one culture of nitrogen-gathering bacteria which seems most likely to succeed under general conditions and in the hands of inexperienced people. Little effort is required and needed instructions are printed on package.

**Farmogerm** furnishes the bacteria which fixes nitrogen in the form of nodules on the roots of plants like Clover, Alfalfa, Soy Beans, Cow Peas, etc. By its use more nodules for the storing of nitrogen are produced on the roots of the plants, and thus the plants grow stronger and more vigorous. There is a special Farmogerm for each crop. We furnish from the manufacturers culture for any particular crop you desire, carrying in stock here three kinds, which will be sufficient for ordinary needs, as follows:

No. 1—For Red, White, Crimson, Alsike and Mammoth Clover.

No. 2—For Alfalfa and Sweet Clovers (any variety).

No. 5—For Garden Peas, Sweet Peas, Garden Beans, etc.

Sold in the following quantities, delivered: Garden size (for  $\frac{1}{4}$  acre) 50c; for 1 acre \$2.00; for 5 acres \$9.00.

### KENTUCKY BLUE GRASS

**Fancy Cleaned.**—Very valuable and popular as a permanent pasture grass. Productive and unusually early in spring, furnishing delicious food for all stock. Unexcelled for lawns. Our seed new crop, Kentucky grown. Sow 14 lbs. per acre for pasture, or 60 to 100 lbs. for lawns. Lb. 35c, 3 lbs. \$1.00, postpaid. By frt., (14 lbs.) \$2.50, 5 bu. or more at \$2.35.

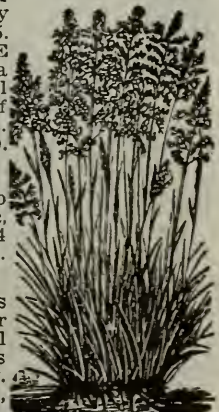
**"IOWA SHIELD" KENTUCKY BLUE GRASS.**—We pride ourselves on this extra choice grade, which is of such unusual purity and high germination that it is of special value for lawns. Lb. 40c, 3 lbs. \$1.10, postpaid. By frt., bu. (14 lbs.) \$3.00.

### ITALIAN RYE GRASS

Annual variety; will give a large crop first year. Sow 20 lbs. per acre. Lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$1.85, 5 bu. or more at \$1.70 per bu.

### PERENNIAL RYE GRASS

Or English Rye Grass.—A nutritious permanent grass for meadow or pasture or mixing with other grasses for lawn. Well adapted for permanent meadows; yields large quantities of very nutritive hay. Sow 20 lbs. per acre. Lb. 30c, 3 lbs. 75c, postpaid. By freight, bu. (14 lbs.) \$1.75, 5 bu. or more at \$1.60 per bu.



BLUE GRASS

**WE MAKE NO EXTRA CHARGE FOR BAGS TO HOLD TIMOTHY, CLOVER AND OTHER GRASS SEEDS**



## GRASS SEEDS==Continued



SHEEP'S FESCUE

**SHEEP'S FESCUE.**—Is suited to light, sandy soil, and dry uplands or hill-sides. It is deep rooted, and not affected by extreme drouth. Sheep are especially fond of it. Sow 14 pounds per acre. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$3.75, 5 bu. or more at \$3.65 per bu.

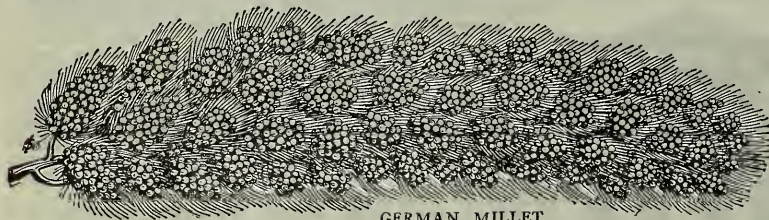
**RHODE ISLAND BENT.**

—Used for particularly close, heavy turf. Lb. 60c, 3 lbs. \$1.50, postpaid. By frt. bu. (14 lbs.) \$4.50.

**WOOD MEADOW GRASS.**—Invaluable for wooded pastures or shaded ground, and should be in all mixtures for permanent pastures, especially in shady places. Sow 20 pounds per acre. Per lb. 65c, 3 lbs. \$1.80, postpaid. By freight, per bu. (14 lbs.) \$7.50, 5 bu. or more at \$7.35.



MEADOW FESCUE



GERMAN MILLET

## MILLET

There is nothing like millet to cover up shortage in your hay crops. Can be sown in the middle or end of July and makes a valuable catch crop. This catalogue is printed six months in advance of sowing season, so we do not try to quote prices on large lots.

**GERMAN MILLET.**—Matures about two weeks later than common millet. It grows 4 to 5 feet high, yielding an abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow one bushel to the acre. Our "Iowa Shield" brand will be desirable. Per lb. 20c; 3 lbs. 50c, postpaid.



**IOWA SHIELD GERMAN MILLET.**—This is an extra fancy grade of the true southern grown German Millet of the Tennessee or cultivated strain. The seeds are round and "shotty." The heads are very large, borne on a strong, vigorous, very leafy plant and produces a much heavier crop than the ordinary stock. Per lb. 25c, 3 lbs. 60c, postpaid.

**COMMON MILLET.**—Best quality. Preferred by some to German as it does not grow so rank and coarse. Makes a better quality hay, but will not produce so heavily. Requires strong, rich ground for best results. Per lb. 20c, 3 lbs. 50c, postpaid.

**SIBERIAN MILLET.**—Frequently called Red German Millet. Resembles German Millet in manner of growth and productiveness. Earlier and seed is mixed red and yellow. Per lb. 20c, 3 lbs. 50c.

**HUNGARIAN.**—Popular in some sections. Sometimes preferred to millets, as it is thought to be less dusty. Per lb. 20c, 3 lbs. 50c, prepaid.

**JAPANESE MILLET.**—(Panicum crus-galli.)—A distinct variety called by one seedsman the "Billion Dollar Grass." Especially valuable for the north. Yields an enormous crop of forage, which is greatly relished by stock. When cured makes an excellent hay. Per lb. 30c, 3 lbs. 75c, postpaid.

**MANTOBA MILLET.**—Hog or Broomcorn Millet. Best for withstanding drouth. Two weeks earlier than German. Per lb. 20c, 3 lbs. 50c, postpaid.

**PEARL MILLET.**—Entirely different from ordinary millet; an immense fodder yield, of tall growth, highly recommended by the U. S. Dept. of Agriculture for the south. Sow in May for best results in the north. Pkt. 5c, lb. 25c, 3 lbs. 70c, postpaid.

**CREeping BENT GRASS.**—Of special value for pasture and low ground. Starts early, deep rooted and valued for holding sloping ground or terraces. Sow 15 lbs. per acre. Per lb. 60c, 3 lbs. \$1.50, postpaid. By frt., bu. (14 lbs.) \$4.50, 5 bu. or more at \$4.35.

**MEADOW FOXTAIL.**—A fine grass for permanent pasture. Its growth resembles timothy. Sow 14 lbs. per acre. Per lb. 50c, 3 lbs. \$1.35, postpaid. By frt., bu. (14 lbs.) \$4.25, 5 bu. or more at \$4.10.

**RED TOP.**—A very hardy native perennial grass which succeeds best on moist land. It remains green for the greater part of the year. In the east it is one of their principal sorts, but it is not so highly valued here. Fancy cleaned or solid seed. Per lb. 50c, 3 lbs. \$1.35, postpaid. By freight, per bu. (14 lbs.) \$4.50, 5 bu. or more at \$4.35 per bu.

**CRESTED DOGTAIL.**—For permanent pastures, especially on high land and hard, dry soils and hills; very hardy. Per lb. 60c, 3 lbs. \$1.50, postpaid. By frt., bu. (14 lbs.) \$4.75, 5 bu. or more at \$4.50.

**BERMUDA GRASS.**—Most valuable grass for the south; withstands heat and drouth wonderfully.

and pasture and unsurpassed for lawns in the south, as it runs over the ground, forming a dense turf. Sow 8 lbs. per acre. Per lb. \$1.25, 3 lbs. \$3.50, prepaid; 5 lbs. or more, not prepaid, at \$1.00 per lb.

**RED FESCUE.**—For meadows or pastures on dry, hard or sandy soils. It is very hardy, a true perennial, growing about 1 to 2½ feet high. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$3.75, 5 bu. or more at \$3.60 per bu.

**HARD FESCUE.**—Is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat, cold and drouth. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$3.75, 5 bu. or more at \$3.65.

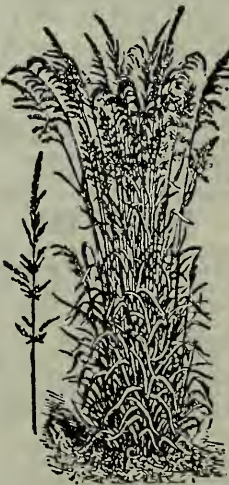
**TALL MEADOW OAT-GRASS.**—For hay or permanent pasture a most valuable grass. Successfully grown in all parts of the country. Grows tall, therefore desirable for meadow. Does not winter-kill. Per lb. 40c, 3 lbs. \$1.10, postpaid. By frt., bu. (14 lbs.) \$3.50, 5 bu. or more at \$3.35 per bu.

PRICES ON  
MILLET SEED

Will be quoted on application. Ask for copy of our Red Ink Price List of Farm and Grass Seeds when ready to buy.

**MEADOW SOFT GRASS.**—Although not of high feeding value, it is very valuable for low, soft, spongy places, where other grasses don't succeed. It is very productive, a hardy perennial. 18 to 20 inches high. Per lb. 35c, 3 lbs. \$1.00, postpaid. By frt., per bu. (14 lbs.) \$3.00, 5 bu. or more at \$2.85.

**SWEET VERNAL.**—Valuable on account of delicious perfume; when included in hay its aroma is imparted to other grasses, enhancing the value of the hay, and making it relished by stock. Annual. Per lb. 35c, 3 lbs. \$1.00. By frt., bu. (14 lbs.) \$2.75, 5 bu. or more at \$2.60 per bu.



TALL MEADOW-OAT

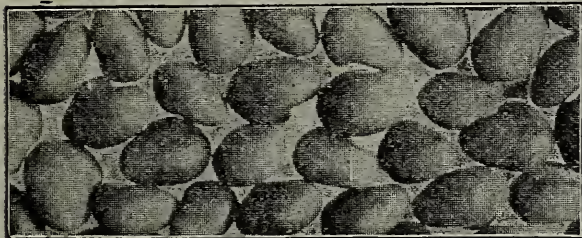


SWEET VERNAL



# EXTRA QUALITY, IOWA GROWN CLOVER SEED

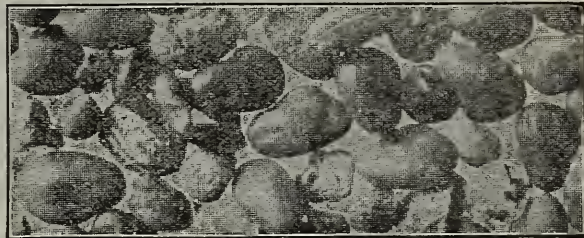
A fine crop of Red Clover seed has been harvested this season, throughout Iowa and the corn belt generally. The quality is unusually good and the price will be lower than for several years. It will pay you to buy and use it freely.



IOWA SHIELD BRAND CLOVER

*Notice the plump, perfect shaped grain and freedom from weeds. You cannot secure better seed, no matter what you pay for it, and it costs but little more. It always pays to sow the best seed you can obtain.*

Market changes constantly and this part of the catalogue goes to press in November. It is impossible to name price at which clover seed will sell in spring. We therefore quote price only in small lots.



ORDINARY CLOVER

*As it comes from the huller, full of weed seeds, trash and sand. If you buy low grade seed, you not only risk filling your land with weeds, but you are also paying for each pound of weed seed and trash.*

## MEDIUM OR COMMON RED CLOVER

### "Iowa Shield" Brand Clovers our Famous Specialties

We sell more clover seed direct to farmers than any seed firm in the West, and it is all sold because those farmers get better quality of seed,—brighter, cleaner, more plump and vital—than they can secure elsewhere. The reason is that we take special care to have everything first class and protect our customers by using the microscope in both buying and selling.

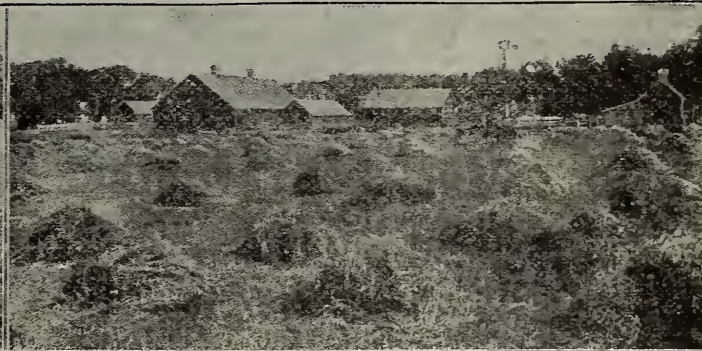
Our clover seed has become widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooling qualities, so that now we receive many orders

from the most distant parts of the United States. Well posted farmers appreciate the difference between it and ordinary stock. This is the most important of all clovers and the standard everywhere for hay and pasture and our "Iowa Shield" grade is the plumpest, cleanest, purest, fanciest grade; tested and of high vitality. Farmers usually sow 15 to 20 pounds of clover seed to the acre when sown alone, but this seed is so choice that 6 or 7 pounds is really sufficient if conditions are favorable, but we recommend sowing 10 pounds so as to be sure of a perfect stand. About 5 pounds, if sown with timothy. Per pound, 35c, 3 pounds 90c, postpaid. Ask for price by bushel.

## MAMMOTH RED CLOVER

This is also called Sapling or Pea Vine Clover. It greatly resembles the Medium Red but grows coarser and more vigorous. It is the best clover for pasturage as it will produce an enormous yield and is of the highest feeding quality but not as desirable for hay. Specially desirable for hog pasture. You can enrich your soil more cheaply by sowing Mammoth Clover and plowing it under than in any other way. Per lb. 35c, 3 lbs. 90c, postpaid. Ask for price in quantity.

# AMERICAN GROWN, HARDY ALFALFA SEED



Crops of Alfalfa on the farm of G. G. Greve, Gladbrook, Iowa, grown from Iowa Shield brand seed

Much is being written by agricultural writers on the advantages of Alfalfa as a profitable crop in the corn belt; in fact it is now being grown with success by progressive farmers in all parts of the country. We have prepared a circular on "How to Grow and Use Alfalfa" and will mail a copy to any of our friends who request it. There is no great difficulty in its production and we know from years of observation and experience that it will thrive on the loam soils of the middle west.

### The Quality of Seed

As with medium red clover, the increasing demand for Alfalfa seed has caused immense quantities of low grade seed to be offered on the market. Thousands of bushels are imported each year, much of which contains impurities and foul weed seeds in such quantity as to make it really dangerous to sow. A great deal of the American grown seed is offered just as it comes from the hullers, full of weed seeds, sand, trash and immature grains so that it will not pay to use it. The crop of Alfalfa seed this year was very good and is also of good quality so that we will have a much larger proportion of Iowa Shield grade seed to offer than is possible in a poor year; and you can start with greatly increased chances for success. Prices change and we can only offer seed at market values. Ask for samples and prices when ready to buy.

### Iowa Shield Alfalfa Seed

No seed which we handle is given closer scrutiny than Alfalfa. We buy only the best offered; using the microscope and analyzing for purity. Our Iowa Shield Brand grade is the brightest, plumpest and cleanest we can find; and even this is not good enough for Shield grade until we have cleaned it through our perfected machinery and taken out

every thing in the way of sand, broken grains and dirt; and when it is put in the branded bags it is fit to sow anywhere. We invite the closest inspection of our Iowa Shield Brand Alfalfa from particular farmers and we will gladly mail you a sample on request for microscopic inspection and analysis. Per lb. 30c, 3 lbs. 75c, postpaid.

### Iowa Standard Alfalfa Seed

Is a good grade of Alfalfa, fully up to the standard of the Iowa pure seed law, and is in fact fully equal to most of the Alfalfa seed offered as "choice" or "prime" by other dealers. It is really nice seed and we will mail a sample for comparison if desired. Write for price.

### Turkestan Alfalfa

We import the seed of this variety, but are just as careful in our buying as we are in the purchase of American seed. There is a demand for this sort in the semi-arid regions of the west and northwest as it is said to be harder than our native sorts. The seed which we offer will be clean, plump and vital and in purity is nearly as good as our Iowa Shield Brand. If you want a hardy Alfalfa we recommend this to you without reserve. Per lb. 30c, 3 lbs. 75c, postpaid. Ask for bushel price.

ASK FOR FREE CIRCULAR, "HOW TO GROW AND USE ALFALFA IN THE CORN BELT"



# SPECIAL PURPOSE CLOVERS

Ask for our Special Circular on Clovers.

## ALSIKE CLOVER

Unequalled for hay and we cannot too strongly recommend it to our customers. It is hardy even in northern Minnesota, and is the only variety which will produce a good crop and not kill out in low, wet land. The hay is finer and better than any other, therefore of special value for sowing with timothy. Height 18 to 24 in., and has round pink or flesh colored heads. Seed small and requires only about 7 pounds per acre or half that quantity if sown with timothy. Per lb. 40c, 3 lbs. \$1.10, postpaid. Ask for price per bushel.

## SWEET CLOVER

Ask for Circular on Sweet Clover and Price per Bushel

During the past three or four years, there has been considerable discussion in the farm papers as to the value of Sweet Clover, and the plant which has for many years been thought of as a weed is now beginning to take a prominent place in agriculture and those who have tried it longest are most earnest in its praise. It has been demonstrated repeatedly by actual farm experience in Iowa, as well as in the surrounding states, that all kinds of live stock will eat it readily and when they once acquire the taste for Sweet Clover they will eat it in preference to any other clover or grass, and not only like it as a pasture, but also when cured as hay. It can be grown on land which is not fit for other clovers and is said to produce a larger quantity than any other clover on the list, as it can be cut from two to four times during the season and if cut while growing vigorously before the stems become hard, it is very nutritious.

Sweet Clover belongs to the family of leguminous plants, and adds greatly to the fertility of the soil on which it has been grown. The same bacteria which live on its roots also thrive on the roots of alfalfa and therefore it is claimed that alfalfa will do much better on land where Sweet Clover has previously been grown. It roots very deeply, therefore opens up the soil so as to adapt it for all other kinds of crops, making it not only more rich in nitrogen, but allowing the roots of other plants to penetrate more deeply.

**WHITE BIENNIAL.**—(Melilotus Alba, or Bokhara.)—The white-flowered variety frequently seen growing wild along the roadsides. Many farmers are using this as a pasture clover, claiming it to be equal to alfalfa and superior to common red clover for this purpose. In growing it for hay, it is cut when about 18 inches to two feet high and before it begins to branch heavily. If the mower bar is set about six inches above the ground it will cut above the first branches and the clover produces a second crop. If cut too close to the ground the plants are not likely to survive the first cutting. Sow very early in spring or fall, and without a nurse crop. Germinates more quickly and freely if sown on a well prepared seed bed. Per lb. 40c, 3 lbs. \$1.00.

**YELLOW BIENNIAL.**—(Melilotus Officinalis.)—Is very similar to the commoner white-flowered (Melilotus Alba), but blooms a little earlier. Does not grow quite so rank and coarse and for this reason is claimed to be superior. Per lb. 40c, 3 lbs. \$1.10.

**YELLOW ANNUAL.**—(Melilotus Indica.)—A small annual variety used for quick pasture, as it grows quite rapidly and is ready for grazing in 60 days, for inoculating the soil for alfalfa and for bee pasturage. Sow 10 lbs. per acre. Per lb. 40c, 3 lbs. \$1.10.



ALSIKE CLOVER

## WHITE DUTCH CLOVER

Valuable in pasture mixtures. Also used largely for lawns. Hardest of any clover. Creeping habit. Desirable for terraces and sloping grounds. Our "Iowa Shield" grade is extra bright and fine. Sow 5 lbs. per acre. Per lb. 60c, 3 lbs. \$1.70, postpaid.

## CRIMSON CLOVER

Also called Giant Incarnate.—An annual variety. It commences to grow after cutting the grain nurse crop and continues until severe freezing weather and makes good hay. Sow in April or May, 20 lbs. per acre. Winter kills in this latitude. Desirable for soiling. Per lb. 35c, 3 lbs. \$1.00, postpaid. Ask for quantity price.

## SANFOIN CLOVER

Called also Esparette Clover.—A little known variety of special value for light, dry, sandy or limestone soils. Is a good fodder plant. Usually sown with oats or barley, using 30 or 40 lbs. of seed to an acre. Per lb. 35c, 3 lbs. 90c, postpaid. Ask for price per bushel.



SWEET CLOVER

# PERMANENT PASTURE AND MEADOW MIXTURES

FOR MORE DETAILED INFORMATION, SEE COLORED PLATE, PAGES 41 AND 42.

## PERMANENT HOG PASTURE

Ready to use the first year and many years thereafter. Will fatten the hogs quickly and keep them in good health. Much superior to a corn diet for them and helps keep hog cholera and similar diseases away. It contains Perennial Rye Grass, Orchard Grass, Italian Rye Grass, Clover, Timothy, Red Top, etc. This has proven very popular and we believe it is far more valuable to hog raisers than ordinary pastures. Sow 15 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00, prepaid. By frt., per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.85.

## PERMANENT MEADOW MIXTURES

Will make the best quality hay as the mixture contains such grasses as produce a heavy growth and mature together. We send out the No. 1 mixture when not otherwise ordered as it is adapted to the medium or average soils. Sow about 22 lbs. (1½ bu.) per acre; or for top seeding 10 to 15 lbs.

**NO. 1—FOR MEDIUM SOILS.**—Contains Meadow Fescue, Perennial Rye Grass, Italian Rye, Orchard Grass, Tall Meadow Oat, Timothy, Red Clover, Alsike, Sweet Vernal, etc.

**NO. 2—FOR HIGH, DRY LAND, LIGHT OR GRAVELLY SOILS.**—Contains Sheep's Fescue, Alfalfa, Hard Fescue, Perennial Rye Grass, Meadow Fescue, Timothy, Kentucky Blue Grass, Sweet Vernal, etc.

**NO. 3—FOR HIGH, DRY LAND, HEAVY OR CLAY SOILS.**—Contains much the same as above with the addition of Orchard Grass, Crested Dogtail and Bromus.

**NO. 4—FOR MOIST AND RICH SOIL, OR LAND SUBJECT TO OVERFLOW.**—Contains Water Meadow Grass, Meadow Foxtail, Perennial Rye Grass, Meadow Fescue, Red Top, Meadow Soft Grass, Alsike, Clover, etc.

**NO. 5—FOR TOP SEEDING SWAMPS, MARSHES, ETC.**—(Sow 10 lbs. per acre.) Contains much the same as above in different proportions.

## PRICES

Any of the above Permanent Meadow or Pasture Mixtures (unless otherwise stated), per lb. 35c, 3 lbs. \$1.00, postpaid. By freight or express, not prepaid, per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.85 per bu.

## DAIRY FARMERS' GRASS MIXTURES

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture. This can be successfully done with our Dairy Farmers' Grass Mixture, as it covers the ground and furnishes grazing until late in the fall. It consists of Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail, English Blue Grass, Kentucky Blue Grass, etc. Sow 20 lbs. per acre on ordinary soils. Per lb. 35c, 3 lbs. \$1.00, prepaid. By frt., per bu. (15 lbs.) \$3.25, 2 bu. or more at \$3.00 per bushel.

## PERMANENT PASTURE MIXTURES

A succession of grasses coming on constantly from earliest spring through the dry summer until freezing winter; permanent and keeps improving year after year. Sow about 22 lbs. (1½ bu.) per acre; for top seeding, half the amount.

**NO. 6—FOR MEDIUM SOILS.**—Contains Kentucky Blue Grass, Meadow Fescue, Perennial Rye Grass, Orchard Grass, Tall Meadow Oat Grass, Hard Fescue, Alsike Clover, White Clover, Timothy, Red Clover.

**NO. 7—FOR HIGH, DRY, GRAVELLY SOILS.**—Contains Sheep Fescue, Hard Fescue, Creeping Bent, Bromus Inermis, Crested Dogtail, Meadow Fescue, Timothy, Kentucky Blue Grass, White Clover, etc.

**NO. 8—FOR HIGH, DRY, HEAVY OR CLAY SOILS.**—Contains much the same as above, mixed in different proportions, with the addition of Alfalfa and Orchard Grass.

**NO. 9—FOR MOIST AND VERY RICH SOILS.**—Contains Perennial Rye Grass, Water Meadow Grass, Water Fescue, Meadow Foxtail, Orchard Grass, Meadow Soft Grass, Tall Meadow Oat Grass, Alsike, etc.

**NO. 10—FOR ORCHARDS, WOOD PASTURES AND SHADY PLACES.**—Contains Wood Meadow Grass, Kentucky Blue Grass, English Blue Grass, Meadow Foxtail, Sweet Vernal, Red Clover, Alsike, etc.

WE MAKE OUR OWN MIXTURES OF GRASS SEEDS AND KNOW THEY ARE OF CHOICEST QUALITY



# LAWN GRASS SEED

*Thank God for Grass! No other Glory vies  
Win the refreshing glory of the grass;  
Not e'en the blue of the o'er bending skies,  
Nor fading splendors when daylight dies,  
Can this sweet smile of living green surpass.*

it is then to plan for the best lawn obtainable. Do not spend money in sodding a lawn, for it is expensive and seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better. Ask for twenty-page circular of information, "How to Make a Lawn."

**EVERGREEN MIXED LAWN GRASS SEED.**—(See colored plate, page 41.)—This is a mixture of the best varieties of grass seeds suited for growing together in the central and northern states and will make a beautiful, soft, velvety lawn, as handsome green as an emerald and is formed of grasses which keep green from early spring all through the hot, dry summer weather, until late in the fall. It comes up quickly (in about two weeks after seed is sown) and after once up it soon spreads to cover the ground and is ready for the lawn-mower in six or eight weeks. It is permanent, maintaining its beauty for a lifetime, though it is a good plan to give a lawn a top seeding every two or three years. Made by us from new crop, re-cleaned, pure seeds. Per lb. (will sow 400 square feet) 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (15 lbs.) \$3.60, 5 bu. or more at \$3.40 per bu.

**TERRACE LAWN MIXTURE.**—(See colored plate, page 41.)—It is sometimes difficult to get good sod on sloping ground, terraces, side hills, or on embankments. This is a mixture of grasses which have strong and spreading roots, making a close turf which heavy rains can not wash out easily. On new lawns sow some oats also to prevent washing until grass gets a start. Per lb. 50c, 3 lbs. \$1.35, postpaid. By frt., per bu. (15 lbs.) \$4.25.

**SWEET VERNAL.**—A very fragrant grass and everyone should sow a little of it in mixture with other kinds as it exhales a pleasant aroma when lawn is cut. Per lb. 40c, 3 lbs. \$1.10, postpaid.

**SUBURBAN HOME LAWN GRASS.**—(See colored plate, page 41.)—A very fine mixture for lawns, but it is of special value for parks and around country homes where it is not convenient to mow the lawn frequently. It contains some fragrant grasses which give out a delightful odor both when growing and when cut. It is the grass for country homes, parks and large estates and for this purpose sow about 50 lbs. per acre. Per lb. 40c, 3 lbs. \$1.10, postpaid. By frt., bu. (15 lbs.) \$3.25, 5 bu. or more at \$3.10 per bushel.

**SOUTHLAND MIXTURE.**—In the southern states there is frequently trouble to secure a lawn. This mixture is made of Southern Blue Grass, Bermuda Grass and other varieties adapted to a hot, sunny climate. Together they make a nice, bright lawn the year around. Per lb. 60c, 3 lbs. \$1.50, postpaid. By freight, per bushel (15 lbs.) \$5.25.

**WHITE CLOVER, "Iowa Shield" Brand.**—The well known common white clover is very hardy and its dwarf growth makes it desirable for lawn mixtures. Its close, dense turf and creeping habit makes it fine for terraces and sloping ground. Seed very small and requires but little in mixtures. Lb. 60c, 3 lbs. \$1.70, postpaid.

**KENTUCKY BLUE GRASS, "Iowa Shield" Brand.**—Our stock of this is the best grade of fancy cleaned, new crop, tested seed. The crop is very good, but prices may advance before spring. Lb. 40c, 3 lbs. for \$1.10, prepaid. By freight, per bu. (14 lbs.) \$3.00, 5 bu. or more at \$2.85 per bushel.

**LAWN FLOWER SEED MIXTURE.**—A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Pkt. 10c, oz. 25c.

**PEERLESS LAWN FERTILIZER.**—Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless it is suitably fed. Our Peerless Lawn Dressing is prepared specially for lawns, is of best quality, dry, finely pulverized, easy to apply. Possesses in the highest degree and concentrated form the constituents best calculated to nourish grass, promote luxuriant growth and the dark green color so admired. Not only the most perfect lawn dressing devised, but the most pleasant to handle, being practically non-odorous. In preparing a new lawn, sow 10 to 30 lbs. per 1,000 sq. ft. of surface, according to richness of soil, raking in thoroughly. For top dressing on lawns, use about 40 lbs. per 1,000 sq. ft., or 1,000 lbs. per acre, early in spring. 10 lb. pkg. 60c, 25 lbs. \$1.00, 50 lbs. \$1.60, 100 lbs. \$2.75, 500 lbs. or more at \$2.50.

**SHEEP MANURE.**—This is a natural manure. Is unadulterated and has far more fertilizing value than the packing house products. If wanted to use in liquid form, dissolve at the rate of 1 lb. to 5 gallons of water. Price, 10 lbs. for 50c, 50 lbs. \$1.25, 100 lbs. for \$2.00, 500 lbs. or more at \$1.75 per 100.

**PURE BONE MEAL.**—A splendid fertilizer for all purposes; specially nice for use on lawns, as it is clean, free from odor and gives results in added growth of Lawn Fertilizer grass. 10 lbs. 50c, 50 lbs. \$1.25, 100 lbs. \$2.25.



**SHADY PLACE LAWN MIXTURE.**—This mixture is a combination of fine dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots. They are mixed in proper proportions to make a fine lawn under shade trees. Sow seed thickly 1 lb. to 300 sq. ft. Per lb. 50c, 3 lbs. \$1.35, postpaid. By frt., bu. (15 lbs.) \$4.25.

**GOLF LINKS MIXTURE.**—A mixture of fine grasses which liberally sown produces a fine green sward. They grow vigorously when cut closely, form a fine mass of interlacing roots, and also differ in their seasons of maturity, so a succession of fresh growths is secured from the early spring to latest fall. Per lb. 50c, 3 lbs. \$1.35, postpaid. By frt., bu. (15 lbs.) \$4.25.

**OUR PUTTING-GREEN MIXTURE.**—A mixture of extra fine grasses that will make a close, firm, green and lasting turf; improves the more it is trampled. Per lb. 75c, 3 lbs. \$2.00, postpaid. By frt., bu. (15 lbs.) \$5.00.

**LAWN MOWERS, ROLLERS, and other necessities for the making of a really choice lawn, will be found listed on page 139.**



Roots of Grass Showing Need use on lawns, as it is clean, free from odor and gives results in added growth of Lawn Fertilizer grass.



Root of Grass Showing Effect of Using Peerless Lawn Dressing

**WE CAN FURNISH PLANTS, TREES, SHRUBS, ROSES, VINES---EVERYTHING TO ADORN THE HOME**



# FLOWER SEEDS.

Our floral beauties come in for their full share of attention, and aside from our seed farm we have twelve acres of land right in the city, convenient to the street cars, devoted exclusively to flowers. Here we grow thousands of varieties and have in our employ experienced specialists in this line, who, under our supervision, attend to growing whatever can be grown to advantage in this country, test all novelties offered in this country or Europe, and are constantly trying by selection and hybridization to improve the leading varieties, and make our choice Iowa Flower seeds just what we are striving for—the best in the world. We invite all our customers to call and see this Floral Exhibition whenever they are in the city. Even during the winter the large green-houses on these grounds are a revelation of beauty which surprises everyone. We also have a large acreage on our seed farms east of this city devoted to floriculture. Our flower seeds are all fresh and we know are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we classify the climbers, everlastings and grasses separately at the end of the list. Don't fail to notice also the novelties listed on colored pages of this book.

## HOME FLORICULTURE

By Chas. N. Page, Pres. and Mgr. Iowa Seed Co.  
A book of instructions for growing flowers either from seeds or plants. Price in paper covers 25c, or will be mailed free on orders of \$2.00 or more, if asked for.

**DIRECTIONS FOR SOWING, ETC.**—The conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and observed in culture. We give a few general instructions though more complete directions are printed on seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make surface smooth and fine as possible; sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verberna, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep too wet, and when large enough to handle, transplant to boxes from one to two inches apart to remain until put in permanent beds.



ABRONIA



AMARANTHUS



ARCTOTIS GRANDIS



ANTIRRHINUM



ALYSSUM

## ABRONIA

Trailing habit similar to verberna, bearing clusters of sweet-scented flowers. Effective for bedding in masses, very desirable for rockwork and hanging baskets. In beds sometimes one plant covers a yard square full of bloom. Rose color. Pkt. 5c; ¼ oz. 10c; oz. 20c.

## AGROSTEMMA

A hardy plant introduced from Russia; blossoms similar to pinks on long slender stems. Suitable for border plants; fine for bouquets or cemetery. Mixed colors. Pkt. 5c.

## AMARANTHUS

Prized for very handsome foliage, whether grown in conservatory or garden. Colors will be more brilliant if in moderately rich soil. Should not be planted in the north before the month of May.

**TRICOLOR.**—Leaves yellow, red and green; well known as "Joseph's Coat." Hardy annual; 2 feet high. Pkt. 5c.

**SALICIFOLIUS.**—Known as "Fountain Plant." Pkt. 5c.

**CAUDATUS.**—(Love Lies Bleeding.)—Produces long, drooping chains of brilliant colored flowers. Pkt. 5c.

**MIXED VARIETIES.**—Pkt. 5c; ¼ oz. 10c; oz. 30c.

## AMBROSIA

(Perfume Plant.)—Long spiral stem with abundant round, greenish-yellow buds and blossoms. Very fragrant. Fine for bouquets or floral work. Pkt. 5c.

## ARABIS

**ALPINA.**—Among the earliest blooming plants; very useful for rockwork, edgings, carpet bedding, etc. Flower pure white; plant 9 inches high, hardy perennial. Pkt. 5c.

## ALYSSUM

**SWEET.**—Has little white flowers, useful for small bouquets. Its fragrance, while sufficiently pronounced is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt. 5c; ¼ oz. 10c; oz. 25c.

**LITTLE GEM.**—The plants are very dwarf and remarkably uniform in growth; only 3 or 4 inches high and each spreads so as to completely cover a circular space 12 to 20 inches in diameter. The plants bloom while quite young and soon become one mass of white, remaining from spring till fall. Deliciously fragrant. Pkt. 5c; ¼ oz. 20c; oz. 50c.

## ASPERULA

**AZUREA SETOSA.**—Is a hardy, dwarf growing little annual, producing an abundance small light blue, sweet-scented flowers. Fine for bouquets. Pkt. 5c.

## ANTIRRHINUM

(Snapdragon)

**GIANT FLOWERED.**—Most beautiful new class, having all the finest colors and markings known in the old varieties, together with several new shades. Flowers of immense size and produced in long spikes, 1 to 2 ft. in height, almost as large and beautiful as gladiolus, blooming continuously. Pkt. 10c; ¼ oz. 40c; oz. \$1.25.

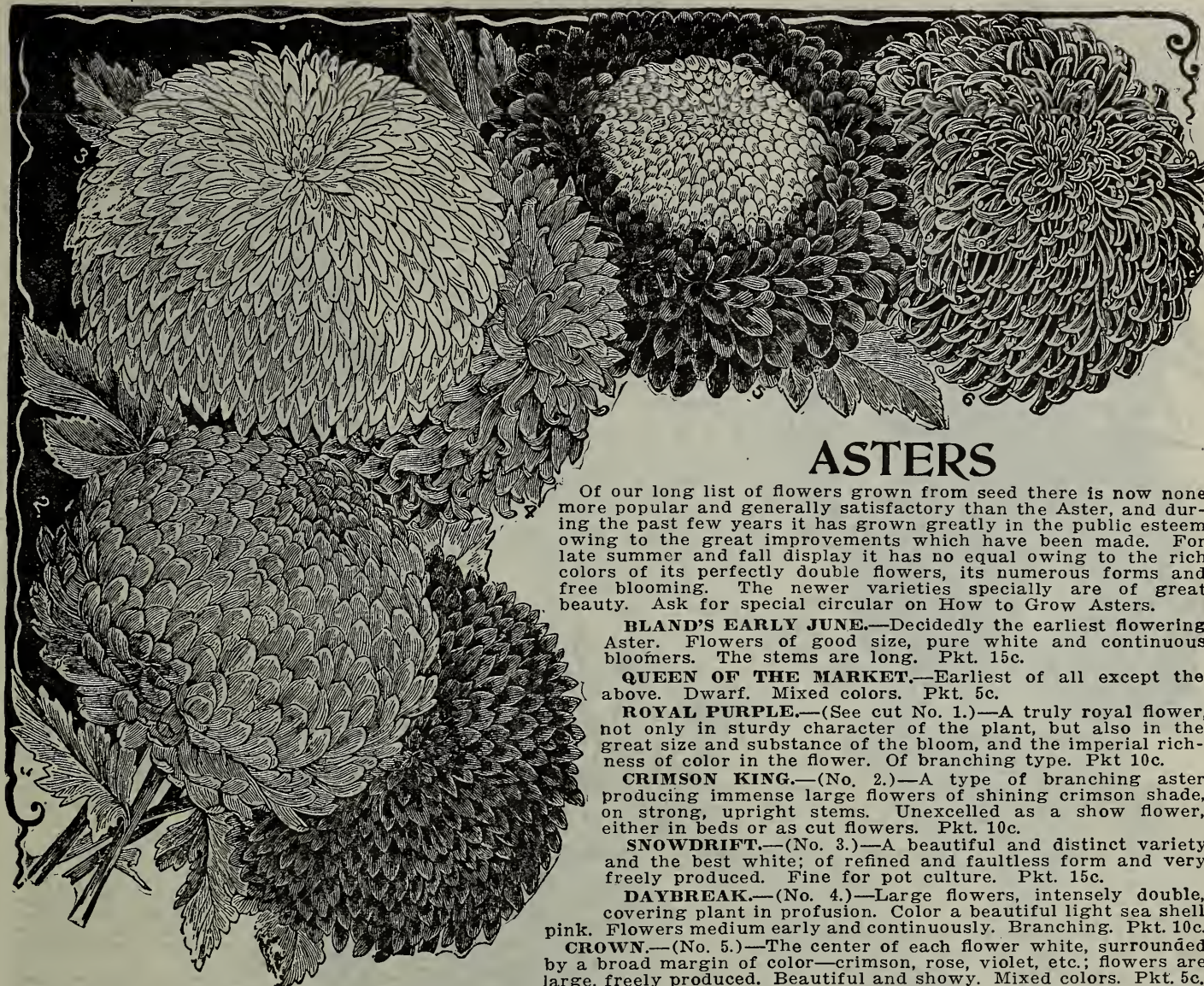
**DWARF MIXED.**—Large flower. Pkt. 5c; ¼ oz. 30c; oz. \$1.

## ARCTOTIS GRANDIS

It is a remarkably handsome annual which forms much-branched bushes 2 to 3 ft. high, the foliage is soft and downy and of a whitish color; its flowers, borne on long stems, rising well above the foliage, are large and showy; the surface, embellished with a narrow yellow zone at base; reverse of petals pale lilac-blue; disc is light blue with slightly projecting white stamens; a lovely flower. Pkt. 10c.

YOU WILL BE PLEASED WITH OUR CHOICE FLOWER SEEDS. THEY ARE THE VERY BEST OBTAINABLE





## ASTERS

Of our long list of flowers grown from seed there is now none more popular and generally satisfactory than the Aster, and during the past few years it has grown greatly in the public esteem owing to the great improvements which have been made. For late summer and fall display it has no equal owing to the rich colors of its perfectly double flowers, its numerous forms and free blooming. The newer varieties specially are of great beauty. Ask for special circular on How to Grow Asters.

**BLAND'S EARLY JUNE.**—Decidedly the earliest flowering Aster. Flowers of good size, pure white and continuous bloomers. The stems are long. Pkt. 15c.

**QUEEN OF THE MARKET.**—Earliest of all except the above. Dwarf. Mixed colors. Pkt. 5c.

**ROYAL PURPLE.**—(See cut No. 1.)—A truly royal flower, not only in sturdy character of the plant, but also in the great size and substance of the bloom, and the imperial richness of color in the flower. Of branching type. Pkt. 10c.

**CRIMSON KING.**—(No. 2.)—A type of branching aster producing immense large flowers of shining crimson shade, on strong, upright stems. Unexcelled as a show flower, either in beds or as cut flowers. Pkt. 10c.

**SNOWDRIFT.**—(No. 3.)—A beautiful and distinct variety and the best white; of refined and faultless form and very freely produced. Fine for pot culture. Pkt. 15c.

**DAYBREAK.**—(No. 4.)—Large flowers, intensely double, covering plant in profusion. Color a beautiful light sea shell pink. Flowers medium early and continuously. Branching. Pkt. 10c.

**CROWN.**—(No. 5.)—The center of each flower white, surrounded by a broad margin of color—crimson, rose, violet, etc.; flowers are large, freely produced. Beautiful and showy. Mixed colors. Pkt. 5c.

**MARVEL.**—(No. 6.)—A most charming new variety from Germany. Flower large and petals pure white, beautifully striped with a band of blue, red, pink, lilac or some other distinct color down the center of each. A very brilliant and showy flower. Pkt. 15c.

### BIG SIX ASTER COLLECTION

One packet each of the six beautiful varieties illustrated in the above picture for 45c.

**IMPROVED BRANCHING.**—This is the most popular florists' strain. We can furnish it in the following colors:

White Pink Lavender  
Rose Crimson Purple  
Carmine Dark Violet Mixed colors

Each per pkt. 10c; ¼ oz. 40c; oz. \$1.25.

One packet each of eight separate colors of this splendid type for 50c.

**SEMPLE'S BRANCHING.**—Flowers are large and double, borne on large, stiff stems. Mixed colors. Pkt. 5c.

**GIANT COMET MIXED.**—Shape differs from all others, resembling the Japanese chrysanthemum. The flowers are from 3 to 4½ inches in diameter, perfectly double. Pkt. 10c; ¼ oz. 40c; oz. \$1.25.

**HARLEQUIN.**—A curious, attractive and beautiful variety with oddly spotted and striped very double flowers of red and blue. Pkt. 10c.

**WALDERSEE.**—A distinct type of aster. Plants only 8 or 9 inches high, covered with bloom, as many as two hundred on a plant at times. Flowers small, flat and double; about one inch across. Fine for edges and borders of beds or walks. Pkt. 10c.

**MIKADO.**—Immense size with curled and twisted petals. Mixed rose and white. Pkt. 15c.

**PERENNIAL MIXED.**—Single flowering, hardy, herbaceous plants. If sown early will flower first season. Pkt. 5c.

**ROYAL MIXED.**—A choice selection of all the best sorts. No second grades. Pkt. 10c.

**IMPERIAL SUNSET.**—Delicate light pink, shading darker in center. Pkt. 15c.

**VIOLET KING.**—Large flowers 4 to 5 inches across, of beautiful rich violet purple color. Pkt. 10c.

**VICTOR MIXED.**—This is a magnificent branching variety producing a wealth of the most beautiful flowers of immense size. A special mixture for our most critical trade. Pkt. 15c.

**GLORIA OR BUTTONHOLE.**—One of the prettiest little plants for bedding that we know of. Grow to a height of 10 inches, are very branching and free blooming. Pure white with a brilliant scarlet margin. Pkt. 10c.

**PERFECTION MIXED.**—(Truffant's Improved Paeony Flowered.)—A favorite; flowers large and almost perfectly round, incurved petals. Pkt. 5c.

**WASHINGTON.**—Largest in cultivation, flowers often 5 to 6 inches across; mixed colors. Pkt. 10c; ¼ oz. 50c; oz. \$1.50.

**GOLDEN BALL.**—The long sought novelty—a yellow aster. Pkt. 10c.

**BETTERIDGE'S QUILLED.**—Perfectly double, tube or quill shaped petals; valuable for bouquets and bedding. Mixed colors. Pkt. 3c.

**TALL VARIETIES MIXED.**—Many varieties and colors. Pkt. 5c; ¼ oz. 40c; oz. \$1.25.

**DWARF MIXED.**—A splendid assortment of the best dwarf growing varieties. Pkt. 5c; ¼ oz. 40c; oz. \$1.25.

**SINGLE FLOWERING MIXED.**—This plant bears a mass of star-shaped flowers. Pkt. 5c.

### ENCHANTRESS ASTER COLLECTION

Four Superb Sorts Four Brilliant Colors  
One packet of each for only 25 cts

**ENCHANTRESS.**—Truly a magnificent novelty in asters, of the most beautiful delicate shade of shell pink similar to the noted Enchantress carnation, and probably the most popular color among the many tints found in flowers. Of branching type, producing blossoms of perfect shape on long stems. Pkt. 15c.

**PURITY.**—A paeony flowered type of branching form, with flowers borne on long stems. Everyone appreciates the need of pure white in color harmony. The perfect form and large size of the flower decided us to choose this sort for our special collection. Pkt. 10c.

**LAVENDER GEM.**—The daintiness of the lavender color delights the eye, while the perfect form and lovely type of the bloom itself makes the Lavender Gem a cherished aster among all lovers of this flower. It is almost impossible to make a color combination in which lavender is not harmonious. Pkt. 10c.

**CARDINAL.**—This adds the brilliancy necessary to complete the quartette of beauty. We consider our Enchantress Aster Collection one of the best offers we have ever presented to our customers. It would not be complete, however, without the Cardinal to give the brightness and shining touch which a pleasing red always conveys. Pkt. 15c.



**AQUILEGIA**

(Columbine.)—Too much praise cannot be given to these elegant, free-flowering and deservedly popular hardy plants; bloom profusely through spring into early summer. Hardy perennial.

**LONG SPURRED HYBRIDS.**—A much more robust species, both in plant and flower than the ordinary kinds. Colors show wide variations and beauty. Splendid, showy, lasting flowers for interior. Pkt. 15c.

**CHRYSANTHA.**—The beautiful large flowered canary yellow variety. Very showy and satisfactory. Pkt. 5c.

**COERULEA.**—Flowers very large, violet, blue and white. Seed in mixed colors only. Pkt. 10c.

**DOUBLE VARIETIES MIXED.**—A fine assortment. Per pkt. 5c.

**AFRICAN GOLDEN DAISY**

(*Dimorpotheca Aurantiaca*.)

This showy annual comes from South Africa. Of recent introduction it is so profuse in bloom, so brilliant in color, so useful for decoration and so easily grown that it is becoming a great favorite everywhere. The blossoms are two to three inches in diameter, a peculiarly rich, glossy orange gold color produced quickly on sturdy, hardy, bushy plants 12 to 15 inches high. A bed of it in full bloom is truly a splendid show. Pkt. 10c.



AFRICAN  
GOLDEN  
DAISY

etc. Very rich, lustrous, tropical appearing. Choice mixed. Per pkt. 25c.

**TUBEROUS-ROOTED.**—Valued for decoration; covered the whole summer with elegant flowers. Blooms first season from seed, if sown in February or March in temperature of 60°. Single and double mixed. Pkt. 15c.

**MIXED VARIETIES.**—Excellent varieties of flowering sorts. Pkt. 10c.

**MEXICAN BURNING BUSH**

This we consider one of the most ornamental border or hedge plants and is sure to attract attention. Known botanically as *Kochia Scoparia*. It grows quickly from seed sown in the open ground. Plants are always of the rounded or globe-like form shown in our illustration, branch freely, and the stems are clothed with slender light green leaves. Early in the fall the ends of the the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round, shoots are thickly set with small, bright scarlet flowers, ball-like form on all sides or grown in continuous rows. Per pkt. 5c; ¼ oz. 35c; oz. \$1.00.



MEXICAN BURNING BUSH

**AGERATUM**

**BLUE PERFECTION.**—A great improvement over the common blue ageratum. Flowers larger and of a deeper blue. Blooms profusely; striking for beds or borders. Pkt. 10c; ¼ oz. 25c.

**MEXICANUM.**—(Blue.)—Suitable for beds; blooms long time; largely used by florists; start seeds early. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**ALBIFLORUM.**—Like above, only white. Pkt. 5c; ¼ oz. 15c; oz. 45c.



VERNON BEGONIA

**BEGONIA**

Seeds very small, almost microscopic, and should be sown on top of soil in box, pressing soil evenly. Cover with a glass and give partial shade until up.

**VERNON.**—Comes true from seed.

Plants grow rapidly and thrive under our hot summer sun. Fine for bedding. Pkt. 10c.

**REX.**—The king of Begonias. Have very large ornamental leaves of dark green, bronze, gold, red, etc.

**TUBEROUS-ROOTED.**—Valued for decoration; covered the whole summer with elegant flowers. Blooms first season from seed, if sown in February or March in temperature of 60°. Single and double mixed. Pkt. 15c.

**MIXED VARIETIES.**—Excellent varieties of flowering sorts. Pkt. 10c.

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MEXICAN BURNING BUSH



PEERLESS MIXED BALSAMS

**BALSAM**

One of the most beautiful of our annuals, and under the old names Lady Slipper and Touch-Me-Not, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double, rich in colors, ranging from pure white to rich dark crimson. The packets contain about 50 seeds.

**CAMELIA-FLOWERED MIXED.**—Are very double, resembling the camelia in form, of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 5c; oz. 40c.

**PEERLESS MIXED.**—A new mixture made up from the best foreign and American strains and their beauty is truly marvelous. Flowers are double and of all known colors. Plants are loaded with hundreds of flowers. Pkt. 10c; oz. 60c.

**ALL VARIETIES MIXED.**—A nice mixture of older sorts. Pkt. 5c; oz. 25c.

**BLUE BELLS**

The popular flower of Scotland. Beautiful bell-shaped, bright blue flowers. Hardy perennial. Pkt. 10c.

**BRACHYCOME**

Also called "Swan River Daisy." Very pretty low-growing plants, fine for borders, rustic work or pot culture, covered during summer with a profusion of cineraria-like flowers. Half-hardy annual. Mixed blue and white. Pkt. 5c.



BROWALLIA GRANDIFLORA

**BROWALLIA**

**GRANDIFLORA.**—A new sort; most beautiful of all Browallias. Grow only about 1 ft. high; form dense little bushes covered with abundance of delightful extra large sky-blue flowers. Hardly another plant with blue flowers that compares with it. Pkt. 10c.





**BUTTERFLY FLOWER**

This large-flowering variety of *Schizanthus* is one of the handsomest annuals, the shape and colors being so unusual and exquisite that it challenges the rare orchids in beauty. Easily grown and makes a bushy plant fairly loaded with rich and various colored flowers. Pkt. 5c.

**CALLIOPSIS**

Many of our most showy flowers are slighted because they are common and grow anywhere without trouble or care, almost like weeds. One of these is the calliopsis. Were it a new thing it would be considered a novelty of rare excellence.

**LANCEOLATA.**—New Golden Coreopsis. —One of the most showy hardy perennials grown, forming tall plants two or three feet high, and bearing in great profusion for a long period during the summer, large flowers of bright golden yellow. Unequaled for cutting. Grows anywhere. Pkt. 10c; ¼ oz. 25c; oz. 75c.

**GOLDEN WAVE.**—Plant very bushy and compact, reaching 2 ft. in height, covered from July to October with hundreds of beautiful golden blossoms 2 in. in diameter with small dark centers. It is indeed a wave of gold. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**SINGLE MIXED.**—Mixture of annual varieties. Many shades of yellow, red and brown. Pkt. 5c; ¼ oz. 10c; oz. 30c.

**NEW DOUBLE.**—A beautiful and charming new type of the annual Calliopsis. Pkt. 5c; ¼ oz. 25c; oz. 75c.

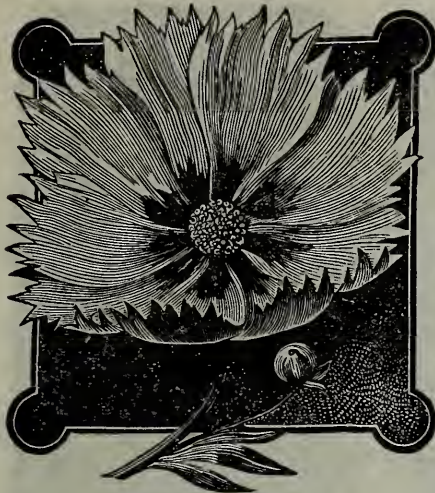
**CAMPANULA**

**CUP AND SAUCER.**—A beautiful variety. Bell nearly 4 inches in diameter, presenting form of a saucer, hence its name. Plant is of strong growth, quite as hardy and floriferous as old blue variety, and is elegant and handsome, when in flower blossoms literally hiding plant. Perennial. Mixed colors. Pkt. 10c.

**SINGLE MIXED.**—A choice mixture of single sorts. Pkt. 5c.

**DOUBLE MIXED.**—Choicest seed from selected plants. Pkt. 10c.

**CANTERBURY BELLS.**—(Campanula Medium.)—See page 69.



GOLDEN WAVE CALLIOPSIS.



CUP AND SAUCER CAMPANULA.

**CINERARIA**

As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form.

**LARGE FLOWERING MIXED.**—The plants grow perfectly circular in shape and are entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of blue, purple and crimson. Most of the varieties have well-defined white eye and are unsurpassed for attractiveness. Pkt. 15c.

**CALENDULA**

Belongs to the well known marigold family.

**FINE MIXED.**—Many nice varieties and when planted together they make a showy bed. Pkt. 5c.



CINERARIA.



CALENDULA

**CANDYTUFT**

Considered indispensable for cutting. All varieties look best in beds or masses; hardy, easy to cultivate, and blooms profusely. Hardy annuals one foot high.

**GIANT EMPRESS.**—One of the finest varieties, in height between Rocket and Tom Thumb sorts. Of very branching habit and when fully grown and covered with its pure white flowers resembles a floral candelabra. Pkt. 10c.

**BEST MIXED.**—Mixture of all varieties and colors. Pkt. 5c; ¼ oz. 10c; oz. 30c.

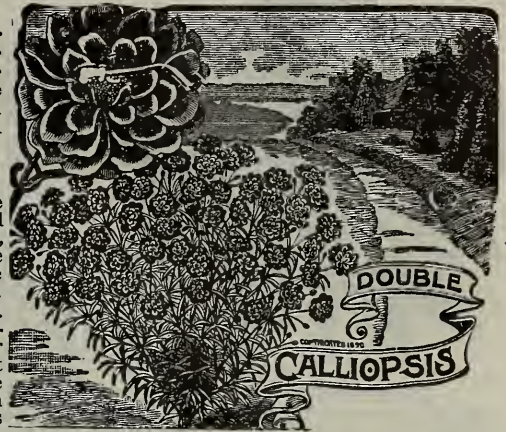
**SEMPERVIRENS.**—Profuse blooming white perennial. Early. Pkt. 10c.

**CARNATION**

Finest of the dianthus or pink family. Very fragrant. Our seed unsurpassed.

**DOUBLE EXTRA MIXED.**—The best greenhouse varieties. Will produce wide varieties of markings and colors. Pkt. 7c.

**MARGUERITE.**—Mixed.—These lovely, fragrant flowers are in full bloom in about four months after sowing. Plants succeed alike in the open garden or in pots, and are of such vigorous, dwarf, erect growth that no supports are required. The range of color, marking, variegations and shading are simply wonderful. Pkt. 10c.



CANNA

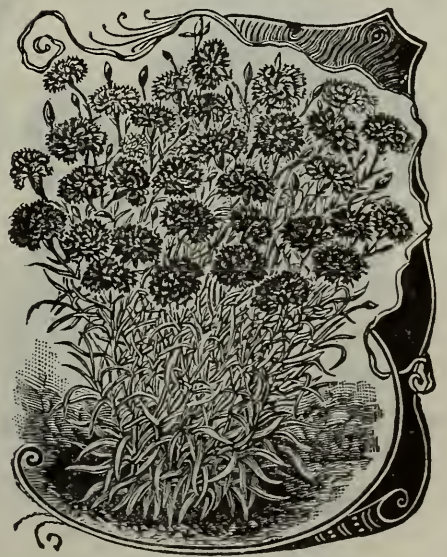
**CANNA**

Unquestionably one of the best of bedding plants for the American climate. Their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. Easily raised from seed which should be soaked in hot water for several hours.

**FANCY LARGE FLOWERED.**—A very large flowering dwarf variety, 3½ feet. Flower first year from seed. Mixture of finest flowering sorts. Pkt. 5c, oz. 25c.

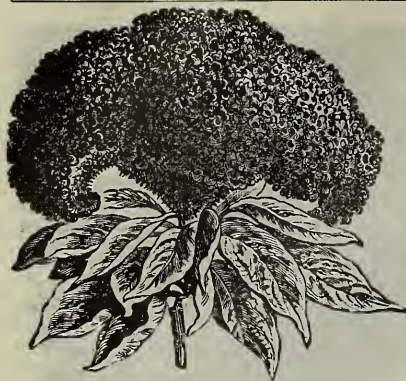


GIANT EMPRESS CANDYTUFT.



MARGUERITE CARNATIONS





GIANT EMPRESS COCKSCOMB

breadth; purple combs and dark bronze foliage. Pkt. 10c.  
**GOLDEN GLOW.**—This is one of the most attractive novelties. Plants large and produce many handsome flowers 5 to 10 inches in diameter, of a most attractive bright, rich golden yellow color. Pkt. 10c.

### COSMOS

A magnificent race of plants growing about 3 to 4 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. As a cut flower for vases or personal wear its grace and beauty is unequalled. Easily raised from seed if sown early.

**LADY LENOX.**—Beautiful light pink flowers of extra large size, sometimes 6 inches in diameter. Full, vigorous plants, six to seven feet. Unequaled among annuals for screens and tall borders. Pkt. 10c; ¼ oz. 20c; oz. 50c.

**EARLY DAWN MIXED.**—Introduced by us and it jumped at once into popularity on account of its extreme earliness, coming in bloom about two months from time of sowing and continuing until destroyed by frost. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers. A free blooming plant of easiest culture. Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**MAMMOTH PERFECTION.**—Flowers double the size of the old flowering cosmos. Seed should be sown early in the house, as they are quite late. Pkt. 5c; ¼ oz. 15c; oz. 45c.

### CHRYSANTHEMUM

The Annual Chrysanthemums are different from the large flowered perennial varieties grown by florists. They grow easily from seed and flower freely during summer and fall.

**CHAMELEON.**—A new and distinct annual variety producing very large, single flowers with purple, black, crimson, yellow and copper. Pkt. 10c.

**NEW DOUBLE ANNUAL.**—A valuable and most unique novelty. Extremely variable and it is impossible to describe the beautiful forms which have been produced. A great variety of colors, markings and pencillings. Very double, semi-double or single, all equally charming. Pkt. 5c; ¼ oz. 20c; oz. 50c.

**PERENNIAL.**—Double Mixed. —This is the popular greenhouse variety. Showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks. Sow the seeds early. Pkt. 10c.



DOUBLE ANNUAL CHRYSANTHEMUMS



DOUBLE CENTAUREA

**CYANUS.**—Called Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Bluet. A very old favorite garden annual, flowering freely in almost any situation. Height, 2 to 3 feet. Mixed colors. Pkt. 5c; ¼ oz. 10c; oz. 30c.

**CYANUS DOUBLE.**—A most charming sport from the above, well shown in our illustration. Flowers very large and globular. A continuous bloomer, and becoming quite popular. Our mixture contains a great variety of colors. Pkt. 5c.

**MARGUERITE.**—This is one of the handsomest novelties ever brought out. The large flowers are of the purest white, deliciously scented, exquisitely lacinated and freely produced. Pkt. 5c; ¼ oz. 20c; oz. 60c.

**GYMNOCARPA.**—(Dusty Miller.)—The foliage of this variety is finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. Pkt. 5c.

**IMPERIALIS MIXED.**—A grand improvement on the old favorite Sweet Sultan, producing long stemmed blossoms 3 to 4 inches across, of graceful, airy effect, and most deliciously fragrant. Colors vary from glistening white through shades of red, blues, lilac, royal purple, etc. For bouquets, vases, or as corsage flowers of exceptional value. If cut scarcely opened will last for ten days in water. Of easiest culture, flowering freely the first summer. Strong bushy form 2 to 3 feet high. Pkt. 10c; ¼ oz. 25c; oz. 75c.

### CACTUS

Almost everyone who keeps house plants likes to have a few nice Cacti. The seed we furnish is collected from the choicest varieties in Arizona, New Mexico, Texas, California and Old Mexico, as well as some foreign countries, and mixed together. Easily grown from seed planted in a box of clean sand. Pkt. 10c.

### CELOSIA

For summer beds we know of nothing that will produce as showy and brilliant effects.

**SPICATA.**—A wonderful new variety of Celosia and far different from any ever before seen. It is a handsome annual, forming upright, well branched pyramids, about 2½ feet in height, and producing at the summit of each branch spikes of flowers of a bright rose color when opening, changing to silvery white; fine for garden or growing in pots. Pkt. 10c.

**OSTRICH FEATHER.**—Beautifully curled crimson plumes. Pkt. 10c.

**ALL VARIETIES MIXED.**—Pkt. 5c.

### COCKSCOMB

**GIANT EMPRESS.**—Is very handsome either for pot plants or specimens in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress is the finest and most gorgeous variety yet introduced. It is not uncommon for the heads of this variety to measure over twelve inches in



EARLY DAWN COSMOS



CELOSIA SPICATA

### CHINESE LANTERN PLANT

Showy annual, about 18 inches high; bears large red cherry-like fruits each enclosed in enormous balloon-like, semi-transparent calyx, about three inches long, at first light green, gradually changing to yellow, then orange, and finally to crimson. Effective in the autumn garden or pots. Better on rather poor soil. Pkt. 5c.

### CLARKIA

A very pretty and desirable hardy annual about 2 feet high. Flowers are white, red, purple, etc., and borne in profusion during summer.

**SINGLE AND DOUBLE MIXED.**—Pkt. 5c.

### CLITORIA

**TERNATEA.**—Beautiful perennial plant which is suitable for pots or the garden, and which blooms freely the first season from seed; blossoms shaped like Sweet Peas and of a dark, rich indigo blue with a white center. Pkt. 10c.

### COMMELINA SELLOWIANA

A lovely perpetual flowering "Wandering Jew," suitable for garden in summer or for pots all the year. The flowers look like blue butterflies; blooms in short time from seed and is a beautiful and showy flower sure to prove satisfactory. Pkt. 10c.

### COLEUS

A very decorative plant in the border, easily grown from seed, which frequently produces new and distinct varieties. Packets contain about 150 seeds.

**FINE MIXED COLORS.**—Pkt. 10c.

**RAINBOW.**—Finest sort; sure to please. Pkt. 15c.

### CENTAUREA

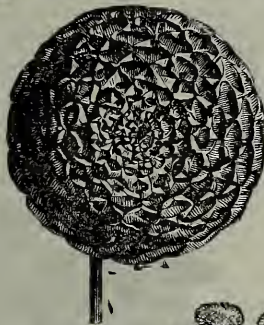


**DAHLIA**

The dahlia is well known, though few are aware that if the seed is sown early in the spring they will bloom the first year.

**BEST DOUBLE MIXED.**—Our seed is of the finest strain, and produces magnificent large, very double flowers of the richest shades. Per pkt. 10c.

**SINGLE MIXED.**—Pkt. 5c.



DOUBLE DAHLIA

**DATURA**

Large, strong-growing plant with trumpet-shaped flowers of large size.

**CORNUCOPIA.**—Plant about 3 feet high; stems dark purplish maroon; the flowers 8 in. long, 5 in. across throat, formed of two or three flowers one within the other; very fragrant. Per pkt. 10c.

**DOUBLE VARIETIES MIXED.**—The GIANT SNOWBALL DAISY best kinds in mixture. Pkt. 5c.

**ESCHSCHOLTZIA**

**CRIMSON.**—This choice novelty is the result of nine years careful selection from a chance sport in a bed of yellow Eschscholtzia, the state flower of California. This flower is of a bright, handsome crimson. Is one of the most easily grown plants, producing a profusion of flowers. Pkt. 10c.

**SINGLE MIXED.**—California poppies. Pkt. 5c; ¼ oz. 10c; oz. 35c.

**DOUBLE MIXED.**—We believe that the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 5c; ½ oz. 15c; oz. 40c.

**GOLDEN WEST.**—A giant flower of a rich golden yellow color, some specimens having a dark orange blotch in the center. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**HUNNEMANNIA.**—"Bush Eschscholtzia." The flowers are cup shaped and about 3 in. in diameter. Color clear, bright yellow, having a satiny sheen over the surface. Sow thick as it generally germinates only about 50 per cent. Pkt. 10c.

**EUPHORBIA**

**VARIEGATA.**—Are strong growing annuals suitable for beds of tall growing plants or mixed borders; flowers inconspicuous; foliage, however, is ornamental, veined, margined white. Pkt. 5c.

**HETEROPHYLLA.**—(Annual Poinsettia.)—Bush-like with smooth, glossy-green leaves. In midsummer these are a beautiful orange-scarlet. Pkt. 10c.

Plants begin to flower shortly after coming up and continue profusely till severe frost. Effective for garden beds, pot culture, cut flower. Pkt. 5c.

**SNOWBALL.**—Fit companion to above. Flowers large, pure white, double, finely fringed, perfect form. Pkt. 5c.

**IMPERIALS.**—*Flore Pleno.*—Best selection of popular type of double sorts. Contains a wonderfully fine diversity of colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**MOURNING CLOAK.**—Magnificent new variety; very double large flowers of very dark mahogany, almost black, petals margined pure white. Pkt. 5c.

**HEDDEWIGI.**—Finest selected double mixed. One of the most showy. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**DOUBLE DIADEM PINK.**—A superb large double flower. is hieroglyphically marked, like the original Chinese pinks, in the middle down to the base of each petal; magnificent in color and variety. Pkt. 5c.

**CHINENSIS.**—(Double Chinese Pink.—Mixed. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**MIXED VARIETIES AND COLORS.**—Pkt. 5c; ¼ oz. 15c; oz. 50c.

**CACALIA**

**COCCINEA.**—A handsome free-flowering little plant; owing to peculiar form of the flower is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.

**CANTERBURY BELLS**

A very pretty perennial quite popular in some sections of the country. Double and single; mixed colors. Pkt. 10c.

**DIANTHUS**

The Dianthus, or Chinese Pink, is one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. Quite as pretty for pot plants in the house as carnations. Plants from seed grow and bloom very quickly. We are doing customers a kindness by urging them to plant Dianthus for both garden and pots.

**ORIENTAL OR JAPANESE MIXED.**—Our choicest offering of the favorite Dianthus or annual garden pinks. Markings and colors are rich and brilliant, form of blossoms dainty and beautiful. A few blooms will be solid colors but most of them will show wonderful variations, striped, blotched and banded. Colors range from white to deep crimson and maroon and flowers are produced profusely and continuously. More fragrant than older type of dianthus adding to their popularity. To those having grown the older types this new strain will be a revelation of superiority, and to those unacquainted with the newer pinks, we offer a flower that will surprise and delight the grower with lasting beauty. Pkt. 10c.

**FIREBALL.**—A beautiful, very dwarf and compact-growing pink, only 10 to 15 inches in height. Flowers are perfectly double and color a rich velvety blood red.

**DAISY**

Popular perennials, blooming the first year from seed; very handsome for borders or pots.

**BEST DOUBLE MIXED.**—Per pkt. 5c.

**NEW GIANT SNOWBALL.**—Most charming variety of this handsome little flower. Has unusually large double flowers on long stems, making it valuable for cutting. Color pure snow. Don't fail to give this little beauty a fair trial, and it will be sure to please you. Pkt. 10c.

**SHASTA DAISY.**—See page 77.

**BUSH DOLICHOS**

**DWARF WHITE.**—Bush form of well known Hyacinth Bean, popular as a summer climber. Blossoms similar in appearance to sweet pea, but borne on very long racemes; pure white and very lovely. Followed by ornamental pods. Pkt. 10c.



ESCHSCHOLTZIA

EUPHORBIA VARIEGATA

**ELECTRIC LIGHT PLANT**

Near the entrance to Greenwood Park of this city there was a large bed of flowers which attracted universal attention. It bloomed constantly throughout the season. It was called "Electric Light Plant," but it is evidently some improved variety of Cleome. We secured the seed which these plants produced and grew a fine crop of it on our farm. It is a sturdy, bushy plant of about 4 feet, covered constantly with large spikes of flowers 6 to 9 in. long which are pure white at base and range from rose to bright red at apex. Grows readily from seed, which should be planted in open ground early in spring. Showy and ornamental for clumps or massing. Pkt. 10c.



ELECTRIC LIGHT PLANT





FOUR O'CLOCK

**FOUR O'CLOCK**

(*Mirabilis*.)—The Marvel of Peru, or Four-o'clock, is one of the most brilliant and showy of annuals. Planted in beds or masses, their very compact growth, rich glossy leaves, together with their profusion and diversity of bloom, present a gorgeous sight in afternoon.

**TOM THUMB MIXED.**—A very handsome and compact dwarf, bushy plant, with elegant golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c; oz. 15c.

**MIXED COLORS AND VARIETIES.**—Contains a fine assortment of colors and is always satisfactory. Pkt. 5c; oz. 10c.

**FERNS**

Can be grown from the spores, or seed, by sowing in a very moist place under glass. Many varieties mixed. Per pkt. 15c.

**FUCHSIA**

Fine plants can easily be raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost in the fall, they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.

**GERANIUM**

**GOOD VENTURE.**—A greatly improved strain of geranium seed grown by a specialist for our trade; easily raised from seed, which will frequently reward the cultivator with charming new varieties. Plants from seed started early in the house bloom the first summer in the garden. Some seeds come up in a few days and others in many days, perhaps weeks. Plants grow rapidly, are strong and thrifty. Pkt. (about 40 seeds), 15c.

**CHOICE MIXED.**—This seed saved from nice varieties and mixed. Pkt. 5c.

**GRASS PINKS**

(*Dianthus Plumarius*.)

The hardy and pretty clove-scented flowers so much loved by our grandmothers. Their fragrance quickly noticed in passing yards where grown. There has been quite a call for these for several years. The flowers range from pure

white to dark pink, most, however, being a clear, delicate pink color. A hardy perennial, fine for borders. Double and single mixed. Pkt. 5c.

**DOUBLE CLOVE PINKS.**—A new type that grows more compact than old fashioned kind and has much wider range of shades and richer coloring. Blooms two weeks earlier than older type. Pkt. 10c.

**GODETIA**

Handsome and showy annual about one foot high, of dwarf, compact growth; bear freely large flowers 3 to 4 in. across, of exquisite colors. **MIXED VARIETIES.**—All colors. Pkt. 5c.

**GOLD AND SILVER FLOWER**

A great novelty from New South Wales which we introduced. Flowers are silvery white, while center petals are yellow, giving the appearance of a five dollar gold piece laid in center of silver dollar, which a few feet distant is quite striking and gave plant its name. Intensely double; blooms freely and is decidedly ornamental not only in beds but also for cut flowers; flowers not only retain their beauty kept in vases, but are everlasting, pretty when dry. Pkt. 10c.



GOLD AND SILVER FLOWER

**GLOXINIA**

Charming greenhouse plants, of dwarf habit. Flowers in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Bloom continuously for months. Seed should be started under glass. Choice mixed. Pkt. 25c.

**GOLDEN ROD**

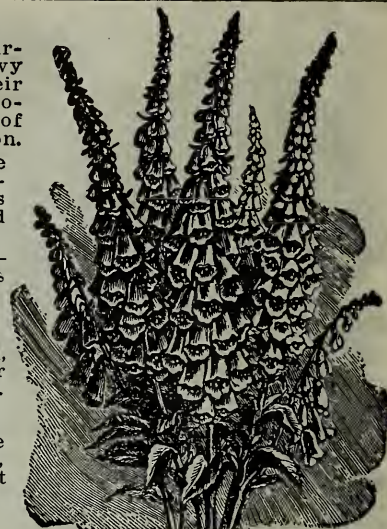
A well known general favorite that grows wild on our western prairies, it has been adopted by New York as state flower. Admired by all; easily grown from seed. Pkt. 5c.

**GYPSOPHILA**

Delicately pretty little flowers, sometimes called "Baby's Breath" or "Angel's Breath." Graceful and easily grown in open ground.

**ELEGANS.**—Mixed colors. Pkt. 5c.

**PANICULATA.**—White. Pkt. 5c.

**FOXGLOVE**

A showy perennial; a general favorite and now planted extensively for permanent backgrounds, borders and clump effects. Splendid for harmonizing with plantings of shrubs and thrives in any ordinary garden soil.

**MIXED COLORS.**—Old-fashioned sort. Pkt. 5c.

**GLOXINIAFOLIA.**—Is an improved strain growing 4 to 5 ft. high, producing large gloxinia-like flowers of many shades and markings. More robust than ordinary sorts. Pkt. 5c.

**MONSTROSA MIXED.**—A distinct type, the striking feature of which is that a large bell-shaped blossom tops each spike. Pkt. 10c.



GAILLARDIA GRANDIFLORA

**GAILLARDIA**

The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, 1 to 2 feet high. Grown in mass are especially effective.

**PERFECTION.**—Improved sort, producing a very double flower, round as a perfect ball, in most varied and pleasing colors. Flowers are borne on long slender stems and when cut keep for over a week. Pkt. 5c.

**GRANDIFLORA.**—A splendid new perennial variety, with very large flowers, dark crimson centers, marked with rings of many brilliant colors; makes a nice showing in yard. Per pkt. 10c.

**GLADIOLUS**

Well known flower; is easily grown from seed, and we would like to have all our customers try raising them in this way. This seed is of our own growing, from the best varieties and will produce an assortment sure to please. It blooms the second year from seed. Pkt. 5c.

**Gladiolus Bulbs in choicest named sorts and mixtures listed on page 87 of this catalogue.**



GLADIOLUS





DOUBLE ANNUAL HOLLYHOCK

**LYCHNIS**

**HAAGEANA MIXED.**—Colors range from white through shades of orange, pink and red to deep crimson. Grows 12 to 18 in. Large heads of showy flowers. Pkt. 10c.

**CHALCEDONICA.**—Old favorite scarlet sort growing 3 ft. Pkt. 5c.

**LUPINUS**

**MIXED WHITE VARIETIES.**—Strong growing garden annuals; innumerable spikes. Pkt. 5c.



AMERICAN BANNER LARKSPUR

**HOLLYHOCKS**

No garden flower is more showy or admired. Start seeds in a box in the house in February or March; about May 1st transfer to a permanent place in the garden. Will produce elegant spikes.

**EVERBLOOMING ANNUAL.**—One of the most showy of garden flowers for massing, borders and backgrounds. Started in the house in March or April, and set out in May it comes into bloom in July. Blooms until killing frosts in fall. Our seed may be sown in the open ground in May and blooms in August. Of vigorous growth, from 5 to 8 ft. high, according to soil, and stalks are fairly loaded with large flowers, sometimes 5 ins. across. Of a great variety of colors, crimson, canary, yellow, pink, white, maroon, black, scarlet, etc., some beautifully veined and marked; double, semi-double, single. Pkt. 10c; ¼ oz. 35c; oz. \$1.

**CHATER'S PRIZE DOUBLE MIXED.**—Magnificent double flowers 3 to 4 in. across, and all of the brightest colors; flowers quite as beautiful and perfect as those of the camellia; they are massed completely around spikes. A mixture of all colors and shades. Pkt. 10c.

**DOUBLE MIXED IN SOLID COLORS.**—White, yellow, salmon pink, bright red. Either color, pkt. 10c; 1 pkt. of each of the four colors 30c.

**ALLEGHENY MAMMOTH FRINGED.**—An entirely distinct variety. Flowers are single, double and semi-double, of fine form and rich colors. Splendid for borders or the hardy garden. Pkt. 5c.

**FINE MIXED.**—Good variety. Pkt. 5c; ¼ oz. 25c; oz. 75c.

**LINUM**

**GRANDIFLORUM RUBRUM.**—(Scarlet Flax.)—One of the most showy annuals for flower beds and masses; brilliant, crimson scarlet flowers, 1 inch across, in wonderful profusion. Pkt. 5c; ½ oz. 15c; oz. 50c.

**PERENNIAL.**—A beautiful hardy perennial sending up numerous stems, clothed with a small, almost hair-like foliage. At tips of branches are poised large blossoms of blue, white and yellow flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**LOBELIA**

**ERINUS.**—A handsome trailing annual with blue flowers. Excellent for vases and hanging baskets. Pkt. 5c.

**COMPACTA.**—A dwarf variety for bedding. Flowers a darker blue shade than above and cover the plant, making an exceptionally fine plant for carpet bedding and borders. Pkt. 10c.

**LARKSPUR**

Old and well known hardy annual. Flowers are borne in compact spikes and are showy and desirable for any situation. Sow early in open ground.

**AMERICAN BANNER.**—The handsomest flower in the catalogue. Only flower we know which combines the national colors—red, white and blue—in each flower. Grows about 2 ft. high and is fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c.

**DWARF GERMAN ROCKET.**—Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**TALL GERMAN ROCKET.**—Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**PERENNIAL LARKSPUR**

(Delphinium.)

**GOLD MEDAL HYBRIDS.**—A splendid strain. Immense spikes 2 to 3 ft. with large flowers mostly of light blue shades. Pkt. 10c.

**ELATUM HYBRIDUM.**—The perennial larkspurs are most showy and useful in permanent plantings, as they produce splendid spikes of flowers all summer. Perfectly hardy, blooms first year if sown early. Mixed colors. Pkt. 5c.

**BELLADONNA.**—A beautiful blue hardy larkspur always in full bloom from June until frost. Pkt. 10c.

**ELATUM FLORE PLENO.**—The double-flowered, large-growing sorts in mixture. Pkt. 15c.

**HYBRIDUM NANUM.**—Semi-dwarf type of the single-flowered perennial larkspurs. Mixed colors. Pkt. 10c.

NEW  
MAMMOTH  
FLOWERING  
HELIOTROPE**HELIOTROPE**

A great favorite with all lovers of flowers for their beauty and fragrance; are well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice assortment.

**CALIFORNIA MAMMOTH.**—A grand new variety producing immense flowers. Pkt. 10c.

**MIXED VARIETIES.**—The common sorts. Pkt. 5c.

**HIBISCUS**

A branching plant of easiest culture, with large, exceedingly showy blossoms. Hardy annual, 2 feet high.

**CRIMSON EYE.**—A robust grower, with dark red stems and foliage. The flowers of immense size, often measuring 20 inches in circumference, pure white, with large spot of deep velvety crimson in center. Blooms first year from seed. Succeeds anywhere. Pkt. 5c.

**GOLDEN BOWL.**—It produces enormous flowers 5 to 6 inches across, of canary color, with large black center. Pkt. 5c.

**ICE PLANT**

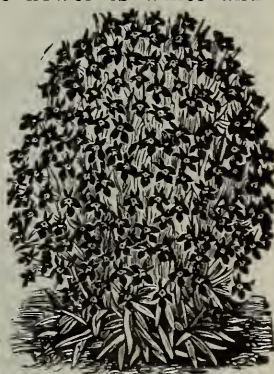
A handsome and curious plant for hanging baskets, rockwork and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in sunshine. The flower is white and pink. Pkt. 5c.

**LANTANA**

**BRAZILIAN BEAUTY.**

—Specially fine strain consisting of a mixture of choicest flowered sorts. Pkt. 10c.

**MIXED COLORS.**—Greenhouse perennial. Makes a fine bedding or pot plant; easily grown from seed. Pkt. 5c.

BRAZILIAN  
BEAUTY LANTANA

LOBELIA



ICE PLANT

EVERYONE ADMIRES THE STately GROWTH AND BRILLIANT FLOWERS OF THE HOLLYHOCK





STRIPED  
JAPANESE MAIZE

### MIGNONETTE

**SWEET SCENTED.**—The fragrance of the Mignonette makes it indispensable for bouquets and cutting. Sow seed early in garden and they will commence blooming the first of June. Pkt. 5c; oz. 15c.

**GOLIATH.**—Foliage rich green, flowers brighter red color than any other sort. Immense spikes. Splendid variety of sweet fragrance. Pkt. 10c.

**ALLEN'S DEFIANCE.**—Valuable variety with mammoth spikes 12 to 15 inches long, more fragrant than any other. Florets of immense size and the cut flower frequently keeps three weeks. Pkt. 10c.

**MACHET.**—Makes a pretty and fragrant pot plant. Distinct variety of great merit. Vigorous dwarf growth; very large spikes of deliciously scented red flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c.

### BUSH MORNING GLORY

A decidedly showy dwarf growing spreading sort bearing a profusion of the most richly colored, striped, blotched and variegated flowers about as large as a silver dollar. Bloom throughout season, are easily grown and most satisfactory flowers for borders or growing in masses. Many choice varieties mixed. Pkt. 5c; oz. 20c.

### NICOTIANA

**AFFINIS.**—The best of all varieties of tobacco which are grown for their sweet-scented flowers. Plant is covered with large, white, star-shaped flowers which, after being cut, will remain perfect for a week. A few plants will perfume the whole garden. Pkt. 5c.

**SANDERAE HYBRIDS.**—A grand novelty and will delight flower lovers. The Sanderæ is of a beautiful rosy carmine color and blooms freely. These new hybrids have also the various shades of purple, pink, red, salmon, violet and white. Grows about two feet high, branches freely and is fairly loaded with flowers which are open all day instead of being a night bloomer like some other sorts. Sow seeds early in the house and transplant in May to the open ground. Mixed colors. Pkt. 10c.

### OENOTHERA

(Evening Primrose.)

Blossoms fully expand only toward and during evening. Three to four inches across. Hardy annual. Mixed white and yellow. Pkt. 5c.

### STRIPED JAPANESE MAIZE

(Rainbow Corn.)—Offered as a novelty by some seedsmen. An ornamental foliage plant of rapid growth, giving immediate effect, and attractive in any garden. Grows 5 to 6 feet high and has alternate foliage, the leaves being very long and 2 to 3 inches wide. Variegation does not begin to show until the fourth or fifth leaf, when leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green, occasionally showing faint tinges of pink or rose color at the edges. Leaves are waxy and gracefully recurved. Desirable for groups or ribbon beds, or back border to a lawn. Illustration which is shown herewith does not do it justice. Pkt. 5c, oz. 15c.



MACHET  
MIGNONETTE



BUSH MORNING GLORY



NICOTIANA



ELDORADO MARIGOLD



MIMULUS TIGRINUS

### NIGELLA

(Love in the Mist.)

**MIXED COLORS.**—Hardy annuals about one ft. high; fine cut leaves and handsome flowers. Blooms early. A very pretty flower, and one our customers should try. Double flowers, blue, white and purple, beautifully veiled with feathery, delicate appearing foliage. Pkt. 5c; ¼ oz. 10c; oz. 25c.

**MISS JEKYLL.**—A large and profusely blooming variety with bright sky-blue flowers and fine fern-like foliage. Somewhat taller than ordinary kinds. Per pkt. 10c; ¼ oz. 20c; oz. 60c.



MISS JEKYLL NIGELLA

### MARIGOLD

Marigolds have for many years been a general favorite for planting in mixed beds and informal gardens, as they produce such great numbers of brilliant colored flowers that they are always a bright spot wherever planted.

**AFRICAN.**—This old favorite has been greatly improved in size and doubleness of its flowers. Double mixed. Pkt. 5c; ¼ oz. 10c; oz. 30c.

**DWARF FRENCH.**—Double, mixed colors. Pkt. 5c; ¼ oz. 10c; oz. 30c.

**LEMON QUEEN.**—A charming new variety producing large bell-shaped flowers of clear lemon or canary yellow color, making them closely resemble large double yellow dahlias, only produced more abundantly on longer stems. It blooms early and continuously. Pkt. 5c.

**ELDORADO.**—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt. 5c.

### MYOSOTIS, OR FORGET-ME-NOT

The dainty little blue Forget-Me-Not is always appreciated, as it always involuntarily forces to our mind kindly remembrance. Just to see their modest loveliness makes the day brighter and turns our thoughts to pleasant channels.

**PALUSTRIS.**—True Forget-Me-Not. A perennial. Blooms first year from seed. Pretty plants with neat little star-shaped blue flowers. Pkt. 5c.

**VICTORIA.**—The best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Per pkt. 5c.

### MIMULUS

**TIGRINUS.**—(Monkey Flower.)—There are a wide range of colors in Mimulus Tigrinus. They are spotted scarlet, crimson and pink on yellow or white grounds and offer striking contrasts that are sure to please. Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed sorts. Pkt. 10c.

**MOSCHATUS.**—Well known musk plant; quite pretty, and has a strong musk fragrance. If better known this we are sure would be more grown as the odor is pleasant and it is nice for pot culture. Pkt. 5c.

### "HOME FLORICULTURE"

For Amateur Flower Growers  
FREE TO CUSTOMERS

Tells how to plant seeds, kind of soil and situations best adapted to their growth, how to care for field and house plants. By Chas. N. Page, President of the Iowa Seed Co., from 40 years experience in growing flowers. A paper bound copy will be given free if you order \$2.00 worth of goods and ask for the book.



# NASTURTIIUMS

These may well be classed among our most showy and handsome annuals. They are of very easy culture, and make a continuous show of bloom. The following are the best varieties:

**AURORA.**—A magnificent variety of new color. The plant forms a perfect globe and is literally covered with flowers, completely hiding the foliage when in full bloom. The flower is of deep chrome yellow, lower petals blotched with purplish carmine; finely marked with bright carmine veining. Pkt. 5c; oz. 15c.

**BEAUTY.**—An extra fine dwarf variety. Handsome scarlet flowers splashed with canary yellow. Pkt. 5c, oz. 10c.

**DWARF CHAMELEON.**—The flowers of this new Tom Thumb nasturtium are in color crimson, gold and bronze, bordered and flamed, changing in hue almost daily, hence named "Chameleon." No variety could be more satisfactory, and as our crop was good we have reduced price this year. Pkt. 5c, oz. 15c.

**GOLDEN QUEEN.**—Foliage of clear, bright yellow color. It is of dwarf, compact habit; flowers yellow. Pkt. 5c, oz. 15c.

**EMPRESS OF INDIA.**—Of dwarf, bushy habit, the leaves of a dark, purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers, its profusion of bloom and richness of color are remarkable. Pkt. 5c, oz. 15c.

**LADYBIRD.**—Of dwarf, neat, compact habit of growth. Flowers rich golden yellow, each petal barred with bright ruby crimson. Pkt. 5c, oz. 10c.

**KING THEODORE.**—The darkest color in nasturtiums, deep scarlet maroon. Pkt. 5c, oz. 15c.

**PEARL.**—Charming dwarf white sort. Pkt. 5c, oz. 10c.

**DWARF LILLIPUT.**—A most charming and distinct new strain of very dwarf compact growth that originated from the tall *Trapezium Lobianum*. Plants of smaller size than the well-known Tom Thumb Nasturtium, growing in closely compact form, while the flowers and rounded light green leaves are smaller in size. The perfect flowers are so numerous that they come through the foliage in clusters, embracing many new and beautiful colors. Pkt. 5c, oz. 20c.



KALEIDOSCOPE

**GOLDEN BLOTCHED.**—Unique and beautiful foliage, the green leaves being blotched with bright golden yellow in such manner as to present a pleasing and attractive appearance. Pkt. 5c, oz. 10c.

**GOLDEN MIXED.**—A mixture of many shades and markings of the yellow leaved varieties, offering a harmonious blending of bright colors. Pkt. 5c, oz. 10c.

**PRINCE HENRY.**—A beautiful flower of light yellow, marbled and striped with bright scarlet. Pkt. 5c, oz. 10c.

**IVY LEAVED DWARF MIXED.**—Charming new type of nasturtium differing in foliage from the ordinary kinds, but retaining the same gorgeous coloring and profusion of bloom. Pkt. 5c, oz. 20c.

**IMPERIAL MIXED.**—Includes about twenty of the best dwarf varieties, both American and foreign. They are so selected that the colors harmonize beautifully and delight flower lovers. Of neat, compact habit of growth, and bloom freely when planted in beds, producing a mass of colors. Pkt. 5c, oz. 15c. ¼ lb. 50c.

**DWARF VARIEGATED LEAVED.**—A splendid new type of dwarf nasturtiums offered as presenting the most varied and divergent coloring. Not only are the flowers of the many shades and brilliant hues of the ordinary sorts but the foliage by the mottled and striped markings of green, white and golden yellow, afford additional range of beauty. Pkt. 10c, oz. 20c.

**BUTTERFLY MIXED.**—A special strain of the choicest sorts. Each plant a blaze of color. Specially chosen for our discriminating customers. See color plate on back cover. Pkt. 10c; oz. 25c.

**DWARF VARIETIES MIXED.**—A nice mixture of colors of this free blooming class. We grow large quantities and can make a low price. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

## CLIMBING NASTURTIIUMS

**MADAM GUNTER'S HYBRIDS.**—Climbers and free, continuous bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to deepest brown and maroon—nearly black—all striped, shaded and blotched in an indescribable manner. Pkt. 5c, oz. 15c, ¼ lb. 45c.

**JUPITER OR SUNLIGHT.**—Attracts instant attention by the great size, exquisite form and rich color of the flowers. The flowers measure 3¼ to 3½ inches in diameter, the petals 1¼ inches across. Blossoms have a most beautiful crinkled, crepe-like look; color is a splendid, rich, brilliant yellow. Pkt. 5c, oz. 15c.

**NAPOLEON III.**—Beautiful climbing variety with golden yellow flowers striped with rosy scarlet. Pkt. 5c, oz. 15c.

**LOBB'S NASTURTIIUM.**—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height, rapid growth. All best named sorts, mixed. Pkt. 5c, oz. 15c.

**TALL VARIEGATED LEAVED.**—Each leaf variegated in a striking manner and this variegated foliage in contrast with the many different shades and markings of the flowers produces bewildering beauty of mingled colors that will delight the eye. Mixed colors. Pkt. 5c, oz. 15c.

**TALL VARIETIES MIXED.**—Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

**KALEIDOSCOPE.**—Some are of clear yellow, orange, pink and creamy white, others are blotched, striped or bordered with rich contrasting shades. Of a strong, vigorous trailing or climbing growth and can be grown on the ground or trained up on a trellis. Specially suitable for growing over stumps, rocky or low fences and if well grown will produce immense number of flowers. Pkt. 10c, oz. 30c.

**CAPRICE.**—A charming novelty; flowers of changeable colors. A single plant frequently showing a dozen different colors or markings. Pkt. 10c, oz. 35c.

**KING OF THE BLACKS.**—A very handsome climbing sort with flowers of very rich dark brown, almost black. Pkt. 5c, oz. 15c.

**IVY LEAVED PERFECTION.**—This unique and most beautiful climbing nasturtium is different from others in foliage and flowers. Plants of running growth, star-like leaves of rich green veined with white. Flowers are of medium size, intense glowing scarlet in color, and of most distinct form. Pkt. 5c, oz. 15c.

**SPITFIRE.**—A most brilliant new variety of bright cardinal red. Most glowing color. Pkt. 5c, oz. 15c.



IMPERIAL MIXED

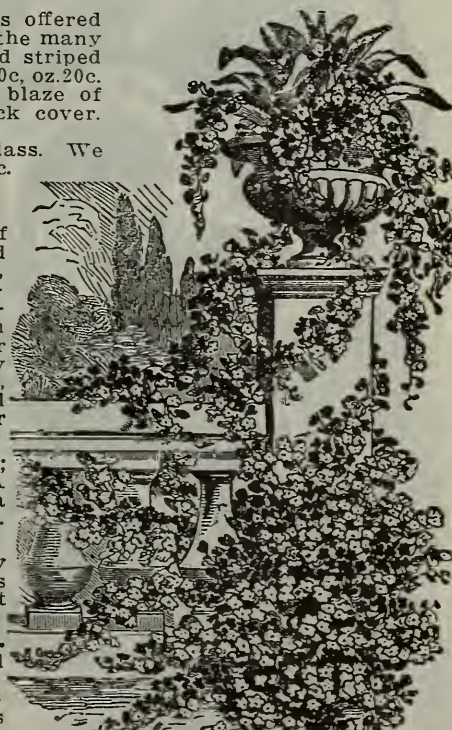
## SPECIAL NASTURTIIUM OFFER

### 17 DWARF KINDS

One pkt. of each of dwarf sorts named in above list for 60 cents, postpaid.

### 11 CLIMBING KINDS

One pkt. of each of climbing sorts named in list below for 45 cents, postpaid.



MADAM GUNTER'S HYBRIDS

WE OFFER DOUBLE NASTURTIIUMS IN THE PLANT LIST, SINCE THEY PRODUCE NO SEED



# LOVELY PANSIES

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains. Circular giving full directions for growing pansies sent free if requested. Packets contain 100 to 250 seeds.

**FANCY STRIPED.**—(No. 1.)—A beautiful variety from Belgium, with good sized flowers, striped and mottled in various tints on contrasting ground colors. Pkt. 15c.

**IMPERIAL GERMAN MIXED.**—(No. 2.)—Magnificent flowers of richest hues, one of our most popular sorts and of high standard of excellence. Pkt. 10c ¼ oz., \$1, oz. \$3.50.

**ELITE MIXED.**—No. 3.)—Offered in our special collection on the back cover of this catalogue. A new strain of giant flowered pansies containing the widest variation in striking colors and markings. Purchased at high cost that we might have something choice to offer in new pansies. Pkt. 20c.

**NEW RAINBOW.**—(No. 4.)—The best novelty in pansies and the most charming variety ever sent out. We consider the name appropriate owing to its beautiful iridescent colors. In a good-sized bed are a hundred different varieties but not a poor one nor an inferior. Flowers of large size and perfect in form, nearly circular and have a rich, velvety appearance; will delight "pansy fanciers." Pkt. 20c; ¼ oz. \$4.00; oz. \$12.00.

**MAMMOTH BUTTERFLY.**—(No. 5.)—A pansy of matchless forms, colors and markings with flowers half as large again as ordinary pansies. Pkt. 10c.

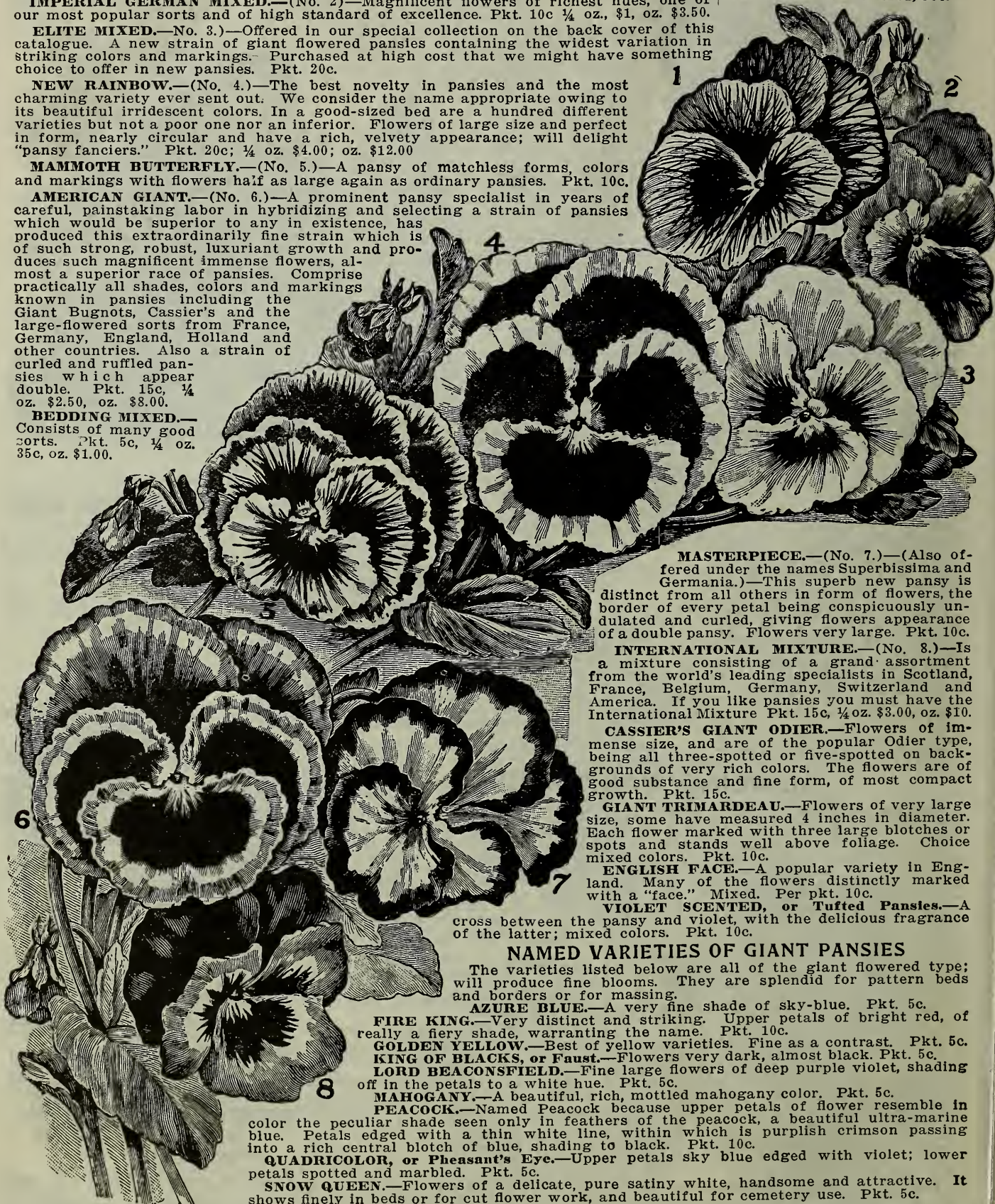
**AMERICAN GIANT.**—(No. 6.)—A prominent pansy specialist in years of careful, painstaking labor in hybridizing and selecting a strain of pansies which would be superior to any in existence, has produced this extraordinarily fine strain which is of such strong, robust, luxuriant growth and produces such magnificent immense flowers, almost a superior race of pansies. Comprise practically all shades, colors and markings known in pansies including the Giant Bugnots, Cassier's and the large-flowered sorts from France, Germany, England, Holland and other countries. Also a strain of curled and ruffled pansies which appear double. Pkt. 15c, ¼ oz. \$2.50, oz. \$8.00.

**BEDDING MIXED.**—Consists of many good sorts. Pkt. 5c, ¼ oz. 35c, oz. \$1.00.

## AN ATTRACTIVE OFFER

An opportunity to procure the choicest types of pansies separately, or if you mix them yourself you are assured of the very widest range.

One packet each of the 8 illustrated mixtures, the finest assortment ever offered, 90c.



**MASTERPIECE.**—(No. 7.)—(Also offered under the names Superbissima and Germania.)—This superb new pansy is distinct from all others in form of flowers, the border of every petal being conspicuously undulated and curled, giving flowers appearance of a double pansy. Flowers very large. Pkt. 10c.

**INTERNATIONAL MIXTURE.**—(No. 8.)—Is a mixture consisting of a grand assortment from the world's leading specialists in Scotland, France, Belgium, Germany, Switzerland and America. If you like pansies you must have the International Mixture Pkt. 15c, ¼ oz. \$3.00, oz. \$10.

**CASSIER'S GIANT ODIER.**—Flowers of immense size, and are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers are of good substance and fine form, of most compact growth. Pkt. 15c.

**GIANT TRIMARDEAU.**—Flowers of very large size, some have measured 4 inches in diameter. Each flower marked with three large blotches or spots and stands well above foliage. Choice mixed colors. Pkt. 10c.

**ENGLISH FACE.**—A popular variety in England. Many of the flowers distinctly marked with a "face." Mixed. Per pkt. 10c.

**VIOLET SCENTED, or Tufted Pansies.**—A cross between the pansy and violet, with the delicious fragrance of the latter; mixed colors. Pkt. 10c.

## NAMED VARIETIES OF GIANT PANSIES

The varieties listed below are all of the giant flowered type; will produce fine blooms. They are splendid for pattern beds and borders or for massing.

**AZURE BLUE.**—A very fine shade of sky-blue. Pkt. 5c.

**FIRE KING.**—Very distinct and striking. Upper petals of bright red, of really a fiery shade, warranting the name. Pkt. 10c.

**GOLDEN YELLOW.**—Best of yellow varieties. Fine as a contrast. Pkt. 5c.

**KING OF BLACKS, or Faust.**—Flowers very dark, almost black. Pkt. 5c.

**LORD BEACONSFIELD.**—Fine large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 5c.

**MAHOGANY.**—A beautiful, rich, mottled mahogany color. Pkt. 5c.

**PEACOCK.**—Named Peacock because upper petals of flower resemble in color the peculiar shade seen only in feathers of the peacock, a beautiful ultra-marine blue. Petals edged with a thin white line, within which is purplish crimson passing into a rich central blotch of blue, shading to black. Pkt. 10c.

**QUADRICOLOR, or Pheasant's Eye.**—Upper petals sky blue edged with violet; lower petals spotted and marbled. Pkt. 5c.

**SNOW QUEEN.**—Flowers of a delicate, pure satiny white, handsome and attractive. It shows finely in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.



## SPLENDID PETUNIAS

No garden is complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the whole season, until killed by frost; are easily cultivated, requiring rich soil and a sunny situation. Of late the single striped, mottled and double varieties have been greatly improved, and the cut gives but a faint idea of their great variety and beauty. Double varieties require care and should be started in the house.

**EMPEROR.**—The largest petunias in the list. Monstrous flowers fully five inches in diameter of the bell, and of unsurpassed colors and markings. Very fine for massing or sowing in wild borders. Pkt. 15c.

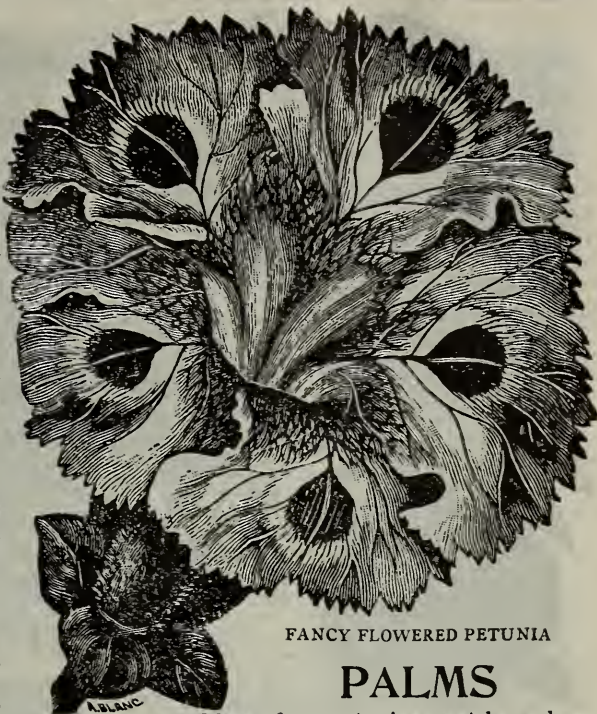
**GIANT FANCY FLOWERED.**—A grand new strain and the finest selection of petunia in existence, of incomparable beauty, size and luxuriance. Most of the flowers are exquisitely ruffled or fringed on edges, and of enormous dimensions (4 to 5 in. across), unlimited varieties of colors, markings, veinings, blotchings and stripings, in the most grotesque and beautiful combinations; with deep throats of carmine yellow, white, black, green or maroon, running off into intricate veins. Some colors are rich and gorgeous, others are of lovely delicate shades. If you like beautiful petunias be sure to include this in your order. Produces very little seed and will always be high in price. Worth double its weight in gold. Pkt. 25c.

**DOUBLE INIMITABLE.**—Splendid mixture. Our seed is the best German grown, and will produce about 25 per cent of fine double flowering plants. Pkt. 25c.

**LITTLE PET.**—(Howard's Star)—One of the prettiest little flowers we saw in the thousands of acres of flowers in Germany, France and other countries of Europe were these small flowered, compact growing, free blooming petunias. Round, bushy little plants about 8 in. high, covered for months with beautiful flowers which are widely open and always look fresh, bright and beautiful that the ladies "just love them." Most of the flowers have a distinct five-pointed star in the center and they are of a great variety of colors. Pkt. 10c.

**GRANDIFLORA MIXED.**—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, marked and fringed. Per pkt. of 200 seeds 10c.

**FINE MIXED.**—Best of older varieties. Extra fine striped and blotched sorts. Pkt. 5c; ¼ oz. 15c; oz. 50c.



FANCY FLOWERED PETUNIA

## PALMS

These for centuries past have been exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each. It is now known, however, that they are easy to grow from seed. Directions printed on packets.

**PHOENIX DACTYLIFERA.**—Native of northern Africa; beautiful for pot culture, and very hardy. This palm produces the date of commerce. Pkt. of 10 seeds 5c.

**WASHINGTONIA FILIFERA.**—It stands dust, dry air and lack of sunshine. Its fan-shaped leaves fringed with long thread-like filaments. Pkt. of 12 seeds 5c.

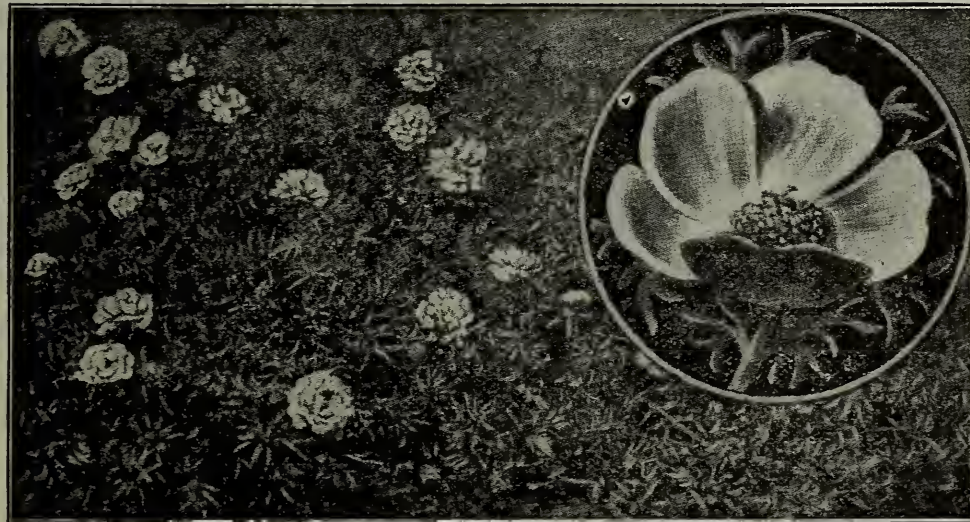
**UMBRELLA PALM.**—(Cyperus)—See description with aquatic plants. Pkt. of 100 seeds 10c.

**LATANIA BORBONICA.**—This is the typical palm, is more largely used than any other; of strong and healthy habits; very desirable for house culture. Pkt. 6 seeds 10c.

**CHAMAEROPS EXCELSA.**—One of the very best plants for house culture in cool climates, and standing ill usage remarkably well. Pkt. of 10 seeds 10c.

**BANANA PALM.**—(Musa Ensete)—The leaves very long and broad; green, with crimson midrib. Pkt. of 3 seeds 10c.

**SPECIAL GRAND OFFER.**—One packet of each of the six elegant varieties of Palms mentioned above only 35c.

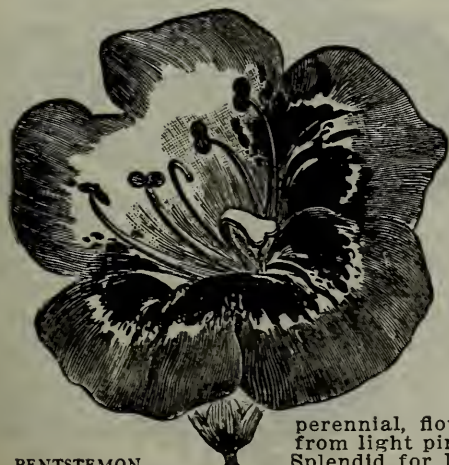


PLANT OF DOUBLE PORTULACCA

FLOWER OF SINGLE PORTULACCA

## BRILLIANT COLORED PORTULACCA

**DOUBLE MIXED.**—This old favorite is one of the brightest blossoms in the entire list and makes a lovely little plant to cover up the bare spots in beds of taller growing plants. The flowers are double as a rose, brilliant with many shades of color, white, yellow, crimson, scarlet, pink and all blooming at mid-day and of afternoons. The dainty blossoms are splendid to add the little touch of color among the fruits on the dinner table. Pkt. 10c.



PENTSTEMON

**GRANDIFLORA SINGLE MIXED.**—An old favorite sometimes known as rose moss. It forms a brilliant, striking bed of color on bright sunny days, and blooms brightest in the mid-day hours when other flowers are drooping. Very dwarf, low-growing plants, forming a mat on the ground. We offer a splendid mixture. Pkt. 5c; ¼ oz. 15c; oz. 50c.

### PENTSTEMON

**FINEST MIXED.**—Hardy perennial; sown early will bloom first year. Graceful growth; many spikes of Gloxinia-like flowers 2 ins. across; crimson, white, rose, purple, etc., beautifully edged and marked; blooms June to October. Give rich soil and good culture. Pkt. 10c.

### PYRETHRUM

**GOLDEN FEATHER.**—Beautiful golden-leaved foliage plants of special value for borders and ribbon beds. Pkt. 5c.

**ROSEUM HYBRIDUM.**—Large flowering perennial, flowers resembling cosmos and varying in colors from light pink to deep red with large yellow center in each. Splendid for long-keeping cut flowers. Pkt. 10c.



LATANIA BORBONICA PALM





## PHLOX DRUMMONDI

If we could have but one flower for our garden that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet, make an almost dazzling show; continually in bloom.

All varieties which we offer, except the common mixed, are of the large-flowering grandiflora class.

**FIRE BALL.**—Brilliant, dazzling scarlet; very handsome dwarf; compact. Pkt. 5c;  $\frac{1}{4}$  oz. 35c; oz. \$1.25.

**GRANDIFLORA ALBA.**—Pure white, very large flowers, constantly in bloom. Pkt. 5c;  $\frac{1}{4}$  oz. 30c; oz. \$1.00.

**GOLDEN JUBILEE.**—Entirely new color in Phlox, bright yellow; flowers nearly size of \$20 gold coin. Pkt. 5c.

**CUSPIDATA OR STAR.**—Petals run out in little spines, giving the flowers a beautiful effect. Many colors. Pkt. 5c.

**FRINGED MIXED.**—Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 5c.

**MIXED VARIETIES.**—Mixtures of common sorts. Pkt. 5c;  $\frac{1}{4}$  oz. 20c; oz. 60c.

**PERENNIAL MIXED.**—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.

## PRIMROSE

**CHINESE.**—Desirable plants for growing indoors, being in almost constant bloom all winter, and if transferred to the border will bloom nearly all summer. Though perennial, new plants will flower more freely, and seed should be sown every year. Start under glass. Mixed colors. Pkt. 15c.

**FORBESII.**—(Baby Primrose.)—A wonderfully free blooming little plant, covered with a mass of small flowers, especially during winter. Pkt. 10c.

**OBCONICA.**—(Everblooming Primrose.)—A favorite on account of its great blooming qualities, flowering nearly all the year through. Mixed colors. Pkt. 10c.



## POPPIES

This grand old flower has kept pace with the march of improvement and now surprises us with its new forms, new sizes and new colors.

**ROSY MORN.**—Is really superb. Flowers are extremely double and of good size, forming perfect balls of unique and beautiful shade of rose—a new and distinct color in poppies; of easiest possible culture, belonging to the annual paeony flowered section. Pkt. 10c.

**SHIRLEY.**—(Lady Poppies)—A new single. In color from the purest white through the most delicate shades of rose, pink and carmine to the deepest crimson. Pkt. 5c;  $\frac{1}{4}$  oz. 10c; oz. 30c.

**AMERICAN FLAG.**—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, that should be popular. Pkt. 5c.

**DOUBLE CARNATION.**—Splendid assortment of best double carnation flowered sorts. The most popular variety and will make attractive bed. Pkt. 5c;  $\frac{1}{4}$  oz. 10c; oz. 20c.

**SANTA ROSA MIXED.**—Improved from Shirley poppy; unusually large flowers of remarkably clear colors, including new striped salmon and blush shades. Petals beautifully crumpled. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 50c.

**PAEONY FLOWERED.**—Is a robust variety growing about 2 ft. high; bears very large flowers, round, smooth, double, and of exceeding brilliancy. Mixed colors. Pkt. 5c.

**ANNUAL VARIETIES** Pkt. 5c;  $\frac{1}{4}$  oz. 10c; oz. 20c.

**MIXED.**—Single and double.

## PERENNIAL POPPIES

### ORIENTAL HYBRIDS.

For brilliancy of color, nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over 6 inches in diameter; colors range from soft flesh and rose to the most brilliant dazzling scarlet and richest maroon purple. Perfectly hardy perennials, living through winter with but little protection, increasing in size and beauty every year. Pkt. 10c.

**ICELAND.**—Flowers the first year from seed. Colors from purest white to deepest orange scarlet; delicious fragrance. Pkt. 10c.





## RICINUS

Castor oil plant. Stately foliage plants. Make a very handsome appearance on the lawn singly; fine for clumps or ornamental hedges. Said to keep out moles.

**CAMBODGENSIS.**—A beautiful plant growing to a height of 8 feet, of most stately, majestic, tropical appearance. Has large palm-like leaves of darkest reddish maroon, covered with a bright bronzy luster, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. Seed pods fiery red. Unexcelled as a decorative plant for lawn. Pkt. 5c; oz. 20c.

**ZANZIBARENSIS.**—Grows to a height of 12 to 14 feet, with leaves 2 to nearly 4 feet across. A handsome specimen plant for lawns. The different varieties included in our mixture have light and dark green leaves and some coppery bronze, changing to dark green, with reddish ribs. Pkt. 5c; oz. 15c.

**SANGUINEUS TRICOLOR.**—Blood red stalk; very attractive, especially stately in appearance, giving tropical effect in clumps or screens. Pkt. 5c; oz. 15c.

**MIXED VARIETIES.**—Mixtures of the above and many other choice varieties. Pkt. 5c, oz. 10c.

**COMMON.**—The ordinary Castor Bean of commerce. Pkt. 5c, oz. 10c, lb. 50c.

RICINUS CAMBODGENSIS

## FAIRY ROSES

These remarkably beautiful little roses are very easily grown from seed. The roses are only about an inch across, usually semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable, these Fairy Roses grow only 10 to 15 in. high, commence blooming a few weeks after seed is sown and continue from May until frost. Nice for pot plants for winter blooming. Pkt. 10c.

## SCABIOSA

**LARGE FLOWERED MIXED.**—One of our handsomest border plants, producing in great profusion very double flowers in a variety of shades and colors; splendid for table bouquets, etc.; rapidly becoming popular because of striking beauty in form and color. Pkt. 5c; ¼ oz. 15c; oz. 40c.

## SENSITIVE PLANT

Very pretty and curious plant, its leaves closing when touched. The seeds start slow and it is best to start them in boxes; cover shallow and see that they do not dry out; it makes a good house plant for winter, and always pleases the children. Pkt. 5c.

## SHASTA DAISY

**ALASKA.**—One of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. Can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. The flowers are extremely large and graceful, averaging about four inches in diameter with three or more rows of petals of the purest glistening whiteness, and borne on single, stiff, wiry stems nearly two feet long. Pkt. 10c.

## SHELL FLOWER

Robust and easily grown, 2 to 3 feet high, sending up a strong central stem with numerous branches, each surrounded by flowers. Strong fragrance of balm when cut. Pkt. 10c.



SHASTA DAISY

## STOCKS

Sometimes called Gilliflowers. These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. Give good rich soil. They will reward good treatment with remarkable pyramids of bloom.

**PERPETUAL WHITE.**—(Princess Alice or Cut and Come Again.)—Strong growth, of fine branching habit; and if sown early will bloom from May to November. Flowers very large and pure white; the more they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

**PERPETUAL MIXED.**—A mixture of colors of the continuous blooming types of perpetual stocks. Sown in March or April they begin flowering in July and continue until frost. Especially fine in September and October when other flowers are scarce. Flowers double and very fragrant. A splendid selection of seeds of the choicest strains. Pkt. 10c.

**LARGE FLOWERING DWARF GERMAN.**—Most popular flower with our German customers. Our mixture contains a great variety of colors. Pkt. 5c; ¼ oz. 35c; oz. \$1.00.



## SALPIGLOSSIS

One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high, bearing through the season large flowers 3 to 4 inches across; many beautiful colors. Sometimes called Painted Tube Tongue.

## NEW VARIEINED GRANDIFLORA.

Much larger than the common. Surface is soft and velvety and wealth of color marvelous, ranging from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, with all the shades between beautifully veined and mottled. Blooms all summer and till frost. Pkt. 10c.

**CHOICE MIXED.**—A splendid range of color. Pkt. 5c; ¼ oz. 20c; oz. 60c.

## SALVIA

**SPLENDENS.**—One of the most brilliant of flowers; it thrives in any light, rich soil; often called flowering sage.

Free bloomers. Brilliant scarlet. Is very fine. One of the most satisfactory of all bedding plants. Pkt. 5c; ¼ oz. 50c.

**MRS. C. N. PAGE.**—Dwarf, free blooming sort. Much earlier than Splendens; brighter color. Nothing makes such a brilliant show as a bed of Salvia; is specially fine for bordering canna beds. Introduced by us. Pkt. 15c; ¼ oz. \$1.00.

FAIRY ROSES

SCABIOSA

MRS. C. N. PAGE SALVIA



PERPETUAL WHITE STOCKS





### SWEET WILLIAM

**SINGLE MIXED.**—Hardy plants one foot high, of extreme richness and variety of color, and deliciously sweet-scented; for clumps or borders unsurpassed. Our mixture is the large flowered and contains beautiful colors and markings. Pkt. 5c; ¼ oz. 10c; oz. 25c.

**DOUBLE MIXED.**—Grows same as preceding, but the florets are densely double and full centered. While beautiful, they are not as popular as the single-flowered. Pkt. 5c.

### VIOLA

**ODORATA.**—The sweet violet so generally popular. All colors mixed; seeds start slowly. Pkt. 10c.

### ZINNIA

Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness, while the colors are bright and varied and range from pure white to deep purplish crimson. Fine for hedges, beds or borders.

**PIGMY OR LILIPUT.**—This strain is the acme of beauty and perfection in Zinnias. Plants are small and of bushy growth, each one bearing scores of beautiful little blossoms of most perfect shape and brilliant colors, from pure white to very dark orange purple, crimson and vermillion. These charming little Zinnias are gems indeed and should be in every garden. Mixed colors. Pkt. 10c

**ROBUSTA GRANDIFLORA.**—Given its name because of strong growth and large flowers. Grows 3 ft. high and produces flowers 5 in. across. Mixed colors. Pkt. 10c.

**CURLED AND CRESTED.**—A most unique and charming sort with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers are large, double, and peculiar shape of petal relieves the flower from stiffness. Many colors. Pkt. 5c.

**NEW ZEBRA.**—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome. All colors mixed. Pkt. 5c.

**SPLENDOR.**—This splendid strain of Zinnia is grown on our Altoona farms with special care. The finest colors and most splendid blooms and plants we have seen. Pkt. 10c; ¼ oz. 30c; oz. \$1.

**FINEST DOUBLE MIXED.**—Pkt. 5c; ¼ oz. 15c; oz. 50c.



NEW CENTURY MAMMOTH VERBENA



PIGMY ZINNIA

## SUNFLOWER

Some varieties of this well known plant are very ornamental, and effective in shrubby borders or as screens.

**GLOBE OF GOLD.**—Dwarf, well branched plant growing about 3 feet high, each of its numerous branches carrying a medium sized, densely double, globe-shaped flower of rich, deep, golden yellow color, being veritable globes of gold. The most densely double of any sunflower. Easily grown. Handsome, symmetrical and effective on lawns or garden. Pkt. 5c.

**PILLAR OF GOLD.**—A novelty which originated on our own farms. It is a beautiful new double sunflower, growing about 4 feet high. Flowers borne on very short branching stems and are held closely to the main stalk, in such profusion that when in full bloom very little of the foliage is noticeable and at a short distance it seems a pillar of bright golden yellow. It is, in our opinion, the best decorative sunflower yet produced, and if planted in masses or rows will draw attention by the flaming glow of color. Pkt. 10c; oz. 25c.

**EXCELSIOR BRANCHING.**—This new plant, known as H. Cucumerifolius Grandiflorus, has a single flower about 5 inches across producing a pyramid of bloom. Pkt. 5c.

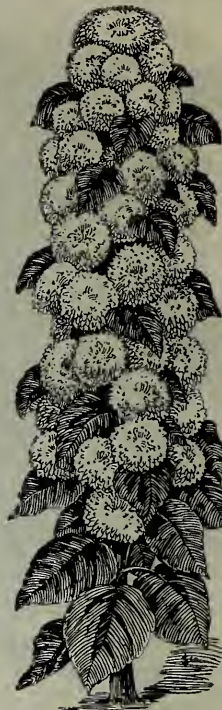
**SILVER LEAVED.**—Few would imagine it a sunflower. Grows 3 or 4 feet high, forming a perfect pyramid. Leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. Flowers golden yellow, 3 to 4 in. across, small, dark brown centers. Pkt. 5c.

**BABY.**—(Helianthus Perkeo.)—Is less than two feet high, loaded at all times with lovely Cosmos-like blossoms, of perfect shape and wide spreading petals. Rich, deep yellow with black center. Pkt. 5c.

**PEERLESS MIXED.**—A splendid assortment of fifteen of the best varieties grown together on our grounds. Includes some both curious and desirable. Pkt. 5c; oz. 15c.

**MAMMOTH RUSSIAN.**—Largest of all, showy and most profitable to grow for feeding purposes. Oz. pkt. 5c; lb. 25c.

**WHITE BEAUTY.**—A sunflower growing as large as the Mammoth Russian; seeds clear paper white. Very productive of seed. Also listed in farm seed department. Pkt. 5c; oz. 10c.



PILLAR OF GOLD  
SUNFLOWER

## TORENIA

**FOURNIERI.**—These are beautiful free flowering trailing plants, well suited for baskets, vases, and in moist situations out of doors. A handsome plant; not hardy. Pkt. 10c.

## VERBENA

Deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer and if grown from seed has a sweet fragrance. Treat as tender annuals. Plant seed in boxes, or under glass in March, and transplant when a few inches high. In this way they can be grown from seed as early as any annual.

**NEW CENTURY MAMMOTH.**—The most beautiful colors, largest flowers and largest truss of any Verbena, and it is a variety which will please everyone. When well grown every flower truss measures over 9 inches in circumference while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary Verbena. Contains a great assortment of colors, illustration showing dark scarlet flower with white eye. Pkt. 10c; ¼ oz. 35c; oz. \$1.00.

**CANDIDISSIMA.**—Large trusses of pure white flowers; beautiful. Pkt. 5c.

**BLUE MIXED.**—Desirable. Blue, purple and lavender sorts. Pkt. 5c.

**DEFIANCE.**—A true scarlet; large and extra fine. Pkt. 10c.

**CHOICE MIXED.**—From the finest German collection of named sorts. Pkt. 5c; ¼ oz. 20c; oz. 60c.

**ERINOIDES.**—(Moss Verbena)—A beautiful variety which produces a mass of moss like foliage. It is low growing, spreading over the ground. The blossoms are purplish blue and are borne well above the foliage. Free flowering from June until frost. Pkt. 10c.

**LEMON.**—(Aloysia Citriodora.)—The popular plant prized for its sweet-scented leaves which retain their fragrance when dried and are therefore doubly useful. Pkt. 10c.

## WALLFLOWER

Greatly prized for their exquisite fragrance. Grow in long, brilliant colored spikes of flowers. Plants removed to pots in autumn will produce abundance of delightfully fragrant flowers of many colors.

**DOUBLE VARIETIES MIXED.**—Pkt. 10c.

**SINGLE MIXED.**—Best single and semi-double sorts. Pkt. 5c.

**EARLY FLOWERING MIXED.**—Flowers early the first season. Per pkt. 5c.

THERE ARE SPLENDID POSSIBILITIES IN OUR NEW VARIETIES OF SUNFLOWERS FOR MASSING



## EVERLASTINGS AND GRASSES

These are very attractive for winter decoration as they are of rich brilliant colors and are fine for winter bouquets. Cut when in full bloom, tie in small bunches and hang, heads downward, to dry.

**AMOBIMUM.**—*Alatum Grandiflorum*.—A pretty everlasting, double white flower. Pkt. 5c.

**ACROCLINIUM.**—Mixed Colors.—An everlasting of fine form, growing about two feet high and producing large double flowers which when dried retain their form and beauty for a long time. Shades of pink to white. Pkt. 5c; oz. 20c.

**GLOBE AMARANTH.**—(*Gomphrena*)—Mixed Colors. Popularly known as "Bachelor Buttons." Handsome, globular heads of flowers which, if cut when well matured, will retain their beauty through winter. Colors purple, white, flesh colored, orange and striped. Pkt. 5c.

**GOLD AND SILVER FLOWER.**—(*Polycalma*)—Silver very white flower with golden center. Illustrated and more fully described on page 70. Pkt. 10c.

**HELICHRYSUM.**—*Monster Mixed*.—A very pretty and popular hardy annual bearing large double flowers of different shades and colors, ranging from white to yellow, rich red, scarlet. Best everlastings, as they retain their form and color for many months, and



MONSTER HELICHRYSUM.

are particularly useful in winter decoration. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**JOB'S TEARS.**—An ornamental grass known botanically as *Coix Lachryma*. Grows 2 to 3 feet high, with broad, corn-like leaves. Pkt. 5c; oz. 15c.



RODANTHE.

**JOB'S TEARS FOR FANCY WORK.**—We also offer choice seeds of glossy pearl color, a special variety, which are used for necklaces, basket and raffia work, and in strings for portieres. Not sold for germination. Oz. 10c; ¼ lb. 35c; lb. 75c; 5 lbs. by express, not prepaid, for \$2.50.

**PENNISTEUM.**—*Rueppellanum*.—A handsome grass commonly called Purple Fountain Grass. Pkt. 10c.

**RHODANTHE.**—Mixed Colors.—One of the finest and most beautiful of flowers; are of various colors. For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Pkt. 5c.

**STATICE.**—(*Sea Lavender*)—Immense panicles of small blue flowers sometimes more than a foot in diameter. Grows 12 to 18 in. high with thick, heavy foliage. Flowers are very lasting if properly dried and are very striking in winter bouquets. Pkt. 10c.

**XERANTHEMUM.**—Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.



GLOBE AMARANTH.



MIXED GRASSES.

## SPECIAL MIXTURES IN FLOWER SEEDS

Carefully Prepared from our own Formulas for Splendid Effects in the Informal Garden

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

**MIXTURE OF FRAGRANT ANNUALS.**—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening while some are also suitable for cutting. Pkt. 10c; ¼ oz. 25c; oz. 75c.

**MIXTURE OF CLIMBERS.**—This is a liberally filled packet of seed of many beautiful annual climbers suitable for growing together. Pkt. 10c; ¼ oz. 25c; oz. 75c.



**WILD GARDEN MIXTURE.**—Over 400 kinds of such flower seeds as are suitable to be planted together, altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Our illustration will give some idea of the possibilities of growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible, plant in this latitude about the first of May. Pkt. 5c; ¼ oz. 10c; oz. 25c.

**MIXED BIENNIALS AND PERENNIALS.**—About fifty varieties. Every garden should contain a good assortment and it will be easily obtained in this way. Pkt. 10c; ¼ oz. 25c; oz. 75c.

**MIXED EVERLASTINGS.**—Grand assortment of everlasting flowers, suitable for bouquets, etc. Pkt. 10c; ¼ oz. 25c; oz. 75c.

**LOW GROWING ANNUALS.**—This mixture contains seed of a great variety of low growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of colorings and forms. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**FLOWERS FOR BOUQUETS.**—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden this will furnish a constant supply of cut flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c.

**INTERNATIONAL NOVELTIES MIXED.**—Each year we make a grand test of floral novelties, obtaining seed therefrom from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils; by far the larger number are valuable acquisitions which we would like our customers to try. We have saved seed of most varieties, but instead of listing them in catalogue separately at 10c to 25c per pkt., we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c per pkt.; 3 for 25c.

**LAWN FLOWER MIXTURE.**—A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter

for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Pkt. 10c; oz. 25c.

**MIXED GRASSES.**—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful collection. Valuable for making up into winter bouquets. These should be cut just as they come into bloom and dried in the shade. Very useful for working up with the Everlastings into winter ornaments; they lend a grace and beauty not obtainable without them. Pkt. 5c; ¼ oz. 10c; oz. 30c.

OUR MIXED FLOWER SEEDS ARE FROM CHOICE, FRESH SEED AND WILL GIVE SATISFACTION



# ORCHID FLOWERED SWEET PEAS

This is the latest and most lovely type of sweet peas, originating in England a few years ago with the original variety now called Countess Spencer, and which have developed new colors and markings each succeeding season so that we now have quite a range of color in this type, though not quite so varied or brilliant as the grandiflora or giant-flowered type which we offer on the next page. The distinguishing characteristics of the Spencer type is the wavy, orchid-like appearance of the blossoms. They are stronger, more robust in growth, with extra large flowers of exquisite, delicate beauty. We offer only a few of the many varieties in existence, choosing those which have become fixed in form and color and which will reproduce without deviation. It will be noted, however, that with only a few varieties we offer you a beautiful display of varied colors. We have in our selections of the Spencer varieties followed our rule of accepting only such as will give satisfactory results, believing it to be better to offer a few chosen sorts, than an indiscriminate list for the sake of following a fad, or introducing a "novelty." Crops of sweet peas all over the world are almost a total failure this year and our prices should really be much higher. We will, however, protect our customers so long as our stock lasts.

**KING EDWARD SPENCER.**—A bright and most attractive flower. Color of wings and standard carmine scarlet, with reverse of wings a rosy carmine, make a rich and strikingly handsome blossom. The wings are unusually large

**COUNTESS SPENCER.**—This is the original Spencer. It is truly a gigantic variety of finest form and coloring. The standard and wings are broad and well spread, beautifully waved and frilled, and sometimes

and give the flower immense size. When to the bright color and large size are added the grace of frilled, waved and crinkled appearance the combination produced is most beautiful. Easily the brightest and most attractive of the new Spencer class, and a blossom of unequalled beauty. Sturdy and vigorous grower, producing three and four fine flowers on each stem. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.

**OTHELLO SPENCER.**—In color is similar to the Othello of the large-flowered type, but had the true Spencer form and will appeal to lovers of dark colored blossoms, and cannot fail to attract the eye in any collection of sweet peas. Stems are long, strong, and carry three or four fine blossoms of deep, rich maroon. A strong, vigorous grower. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.

**WHITE SPENCER.**—(See illustration on this page.)—One of the finest types of the Spencer class. Flowers deeply waved and curled. Color pure white, form and color producing an effect altogether lovely. Very vigorous and strong, with stiff, upright stems bearing three or four blossoms on each. Of great substance and retain their freshness and purity after being cut. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**PRIMROSE SPENCER.**—This is a very fine, large blossom of rich, deep cream or primrose yellow throughout; both standard and wings being of solid color without trace of shading. Is undoubtedly the richest coloring and finest quality of primrose shade. Will please any lover of delicate and dainty flowers. Equally as finely waved as the other Spencers and of strong, robust character. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.

**FLORENCE MORSE SPENCER.**—This flower is a very delicate rose color, shaded a little darker pink at the edges. It is one of the best of the Spencer type, having large, open, wavy flowers, borne four on the stem, which are quite long. It is very similar to Countess Spencer except in the color, which is of lighter shade. It fully equals the older sort in splendid qualities. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 90c.

**CAPTAIN OF THE BLUES SPENCER.**—A name strikingly appropriate for this lovely flower. Standard is purple and wings are bright blue, petals finely frilled and waving, and the blossom is very large, even for the Spencer class. A very desirable shade for color effect and a very satisfactory grower as to vigor and profusion of bloom. Is easily a favorite among lovers of sweet peas because of its many good qualities. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.



WHITE SPENCER SWEET PEAS

in that the blossoms are not quite so large. The petals are marked and fluted as in the parent type, and the flower is borne on strong upright stems, while in texture and beauty they are unsurpassed. This variety is a light, clear pink in color, very dainty and charming. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**NORA UNWIN.**—Clear, pure white of the semi-Spencer type. It grows very large open flowers with wavy edges. One of the finest white sweet peas now in cultivation. Flowers are borne generally three on a stem, and are of good substance and a finely effective flower. Comes true from seed. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**E. J. CASTLE.**—A flower of exceeding delicacy and beauty. The color is a rich, carmine-rose with salmon shading in the standard. This rich color with the bold, wavy standard of the Unwin type makes a most striking effect, especially in artificial light. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

fully two inches across. The coloring is a silvery white, suffused with soft rose-pink, which deepens at the outer edges and becomes still richer and more heavily suffused in cool weather. In size, form and coloring Countess Spencer is simply exquisite and beyond the power of words to describe. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.

## Spencer Collection

Seven Packets,  
Seven Colors,

50 Cents Postpaid.

One packet of each of the choicest Spencers, as named and described on this page:

King Edward  
Othello  
White Spencer  
Primrose  
Countess Spencer  
Florence Morse  
Captain of the Blues  
One packet of each for 50c.  
One ounce of each for \$1.50.

## SPENCER MIXED.

—This is not in any sense an inferior stock but is a choice mixture of the Spencer types and varieties. This mixture has been specially and carefully grown by our expert growers from careful planting to secure a wide range of color, embracing many sorts not named in our list. By growing in this manner we are in position to give our customers a chance to secure the Spencer type in varied colors at a reasonable cost. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50.

**HELEN LEWIS.**—(Of Spencer type.)—Standard is crimson orange with orange rose wings. A striking shade and the flower is very large, of open form with wavy edges. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**GLADYS UNWIN.**—The Unwin type differs from the Spencer class



# GIANT FLOWERING SWEET PEAS

The sweet peas here offered are of the great-flowered or grandiflora class, and are grown for us by the best specialists in America. The stocks from which they are produced are not surpassed by anyone, and we know from the reported experience of our friends that the results from planting our sweet peas are most satisfactory. We ask only to be judged by results and solicit your orders with full confidence that you will be pleased. There is a reason. We have discarded all poor and inferior sorts and offer what we know to be the cream of the list, chosen from personal inspection of more than 200 varieties.

**IMPERIAL MIXED.**—Sixty of best sorts carefully selected so as to get the proper proportion of each color in assortment. Makes the choicest mixture ever offered. Illustration shows bunch of various colors and we are sure our customers will be pleased with them. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

**CALIFORNIA GIANTS.**—Tourists from the east are always greatly surprised and delighted with the Sweet Peas which bloom so freely in California. One of the best growers who has been growing Sweet Peas for us during the past twelve years and who devotes about fifty acres annually to their culture, has, during the past few years, been selecting seed from the specially large flowers and we now offer it in a splendid mixture. No matter what other flowers you grow, give these a trial. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**NEW DOUBLE SWEET PEAS.**—By hybridizing and selection, the new double-flowered Sweet Peas have been produced and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Try them. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**PERFECTED MIXED.**—Of graceful form and charming color, exquisite fragrance and simple loveliness. This mixture contains many choice new varieties and some old favorites. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**FINE MIXED.**—A nice mixture; very low price. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

## Twenty Choice Named Varieties

**AMERICA.**—(No. 9.)—Clear scarlet on a white ground. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**AURORA.**—(No. 6.)—Extra large flowers, are flaked and striped bright salmon on white ground. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**BLACK KNIGHT.**—Rich glossy blackish maroon. Immense bold, attractive flowers borne in greatest profusion. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c.

**DOROTHY ECKFORD.**—(No. 7.)—The largest flowered white variety. Great bloomer. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**EARLIEST OF ALL.**—Very early; a bright pink with white wings. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**EXTRA EARLY BLANCHE FERRY.**—Earliest of all. A beautiful light rose and white. Delicately handsome. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**KING EDWARD VII.**—(No. 11.)—A true giant-flowered variety; brighter than either Mars or Salopian, in fact, the best dark red in existence. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**LADY GRISEL HAMILTON.**—(No. 8.)—Light lavender with azure blue wings. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**LOVELY.**—(No. 2.)—The most beautiful shades of soft shell-pink, shading to faint rose at outer edges. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**MRS. WALTER WRIGHT.**—Of pinkish cream, changing to red-dish purple; large. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**MRS. DUGDALE.**—(No. 10.)—Standard rose, the wings primrose shaded and splashed rose. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**MONT BLANC.**—Large white flowers, free blooming and the earliest of all whites. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**MAID OF HONOR.**—(No. 3.)—Light blue on a white ground, edged with deep violet. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**MRS. KENYON.**—A decided novelty in Sweet Peas, being a very pretty large-flowered sort, of a handsome primrose or yellow color. You should have it if you want an attractive new color in your mixture. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**NAVY BLUE.**—(No. 1.)—A great novelty; the darkest and truest blue of any variety. Free bloomer. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**OTHELLO.**—A beautiful dark brown chocolate red self-colored. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**PRINCE OF WALES.**—(No. 5.)—A bright, self-colored, deep rose flower of grand size and beautifully hooded form; frequently four on a stem. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**PRIMA DONNA.**—A soft shade bright rose-pink, with deeper coloring in center of standard and inner portion of wings. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**RAMONA.**—(No. 4.)—Flower creamy white and striped and flaked bluish pink. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**ROYAL ROSE.**—Beautiful clear rose. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c. climbers, page 83. Pkt. 5c, oz. 20c.

Circular how to  
grow Sweet Peas  
mailed free on  
request.

**CUPID MIXED.**—Dwarf growth. Flowers are pretty and freely produced. Mixed colors. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**BUSH VARIETIES MIXED.**—Of distinct upright growth, forming a bush instead of climbing; many colors. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**PERENNIAL MIXED.**—Listed with



# ORNAMENTAL CLIMBERS

Nothing adds more to the homelike appearance of a place than to have the pleasant shade of vines over the porches and climbers on trellises, trees, fences, and outbuildings. We list them together so that our customers can make selection. Notice also the list of hardy permanent vines on pages 119 and 120.

**ADLUMIA CIRRHOSA.**—Has a striking resemblance to foliage of the Maiden Hair Fern. It is a hardy biennial climber, growing readily from seed; foliage feathery, dainty and picturesque; blooms second year; pink and white flowers. Plant in a cool, moist place. Pkt. 10c; ¼ oz. 25c; oz. 75c.

**AMPELOPSIS VEITCHII, or Boston Ivy.**—Described with Hardy Vines. Pkt. 5c.

**BALLOON VINE.**—A pretty, rapid growing climber, succeeding best in warm situation. Flowers white followed by balloon-like seed pods. Pkt. 5c.

**BRYANOPSIS.**—Beautiful summer climber with yellow flowers, followed by pretty cherry-like green fruits, which change to bright scarlet, marbled with white. Pkt. 5c.

**COBOEA SCANDENS.**—A magnificent climber of rapid growth and beautiful blue flowers. The seed should be planted edgewise. Pkt. 10c.

**CANARY BIRD FLOWER.**—One of the most beautiful climbers, with delicate, finely cut foliage and curious bright yellow flowers, resembling the canary bird in shape and color. Pkt. 5c; oz. 15c.

**CYPRESS VINE.**—A beautiful rapid climber with delicate dark green foliage, and an abundance of star-shaped scarlet and white blossoms.

**Scarlet.**—Very bright. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**White.**—Pretty contrast with scarlet. Pkt. 5c; ¼ oz. 15c; oz. 40c.

**Mixed Colors.**—Above mixed. Pkt. 5c; oz. 25c.

**New Ivy Leaved.**—Entirely distinct from all other varieties both in flowers and foliage. The ivy-like leaves make a dense screen from which the pretty orange-scarlet flowers stand out in countless numbers. Pkt. 5c.

**DOLICHOS.**—(Hyacinth Bean.)

**Mixed Colors.**—A rapid growing annual climber flowering freely in clusters followed by ornamental pods. Fine for arbors or porches. Pkt. 5c; oz. 15c.

**Daylight.**—A choice climber, the vines growing quickly to a height of 8 to 10 ft., and blossoms profusely from base to summit, the large spikes of pure white flowers standing out boldly from the rich foliage. As flowers drop from the long spikes they are succeeded by broad, velvety, snowy white pods which retain their purity and freshness of color a long time. Pkt. 5c; oz. 20c.

**Darkness.**—A good companion for above. Both stems and under side of its leaves purplish red. Pea-like flowers; it blooms early. Pkt. 5c; oz. 20c.

**GOURDS.**—Ornamental Mixed. A mixture of the odd-shaped and fancy-colored sorts. Contains the most popular and handsome foreign varieties. Pkt. 5c; oz. 25c.

## JONAH'S GOURD

"And the Lord prepared a gourd and made it come up over Jonah that it might be a shadow over his head."—Jonah 4:6.

Several years ago a friend was traveling in Asia. In driving through the country near Joppa he noticed a peculiar vine which grew about 50 to 60 feet in length along a fence. He was interested and on making inquiry found that in that country it went by the name of Jonah's Gourd, and is probably the variety which sheltered the prophet. After considerable trouble he secured some of the seed and presented them to us. We have grown them both on our trial grounds and farm and were much pleased with plant. It grows with wonderful rapidity and quickly climbs to the top of tall trees and therefore will be useful for covering old trees, walls, porches, outbuildings, etc. Leaves quite large, flowers pure white, 2 or 3 in. in diameter, and fruits of great length, resembling the well-known Hercules' Club. Our cut is from a photograph of the residence of J. E. Hammond, Washington, D. C. President Roosevelt greatly admired the vine. Pkt. of 12 seeds for 10c; 3 pkts. for 25c.



DARKNESS DOLICHOS



ADLUMIA



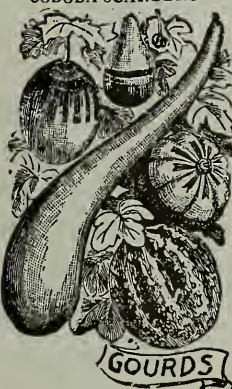
BRYANOPSIS



CANARY-BIRD FLOWER



COBOEA SCANDENS



GOURDS



JAPANESE VARIEGATED HOP

**HUMULUS.**—(Hop.)—New Japanese Variegated.—Handsome and distinct climbing vine, valuable for trellis and high places. Leaves are strikingly marked and blotched silvery white tinged yellow. Pkt. 5c.



CYPRESS VINE



JONAH'S GOURD ON RESIDENCE IN WASHINGTON

YOU CAN ALWAYS FIND PROFITABLE USE FOR A FEW VINES FOR THE ADORNMENT OF HOME



**MORNING GLORIES.—Imperial Japanese.**—The most popular class of morning glories. Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage often beautifully blotched. Of strong, robust growth. Vines grow quickly to a height of twelve to twenty feet. Flowers are of gigantic size, sometimes measuring four or five inches across. Colors, shading and markings really wonders of nature, of incomparable beauty. Double and single mixed. Pkt. 5c; oz. 15c.

**Fringed Japanese.**—A splendid strain with beautifully fringed flowers presenting an odd yet attractive appearance. Similar in size and coloring to the Imperial strain and delicately beautiful because of waved and curled borders of blossoms. Pkt. 10c; oz. 35c.

**New Double Flowering.**—A splendid variety of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at base of larger petals. About 8 per cent of seedlings will reproduce themselves true from seed. Pkt. 10c.

**Improved Climbing.**—A great improvement on the old climbing morning glory. Large size; great variety. Pkt. 5c; oz. 20c; ¼ lb. 60c.

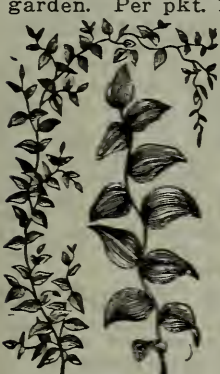
**Fine Mixed.**—Mixture of odd sorts. Pkt. 5c; oz. 10c; ¼ lb. 25c.

**Brazilian.**—(Ipomoea Setosa.)—One of the grandest and most luxuriant plants ever grown; very showy and graceful, with rose-colored flowers from three to four inches in diameter, and a huge leaf ten to twelve inches across. Pkt. 10c.

**MAURANDIA.**—Delicate climber for windows or conservatories. Admirable to hang from vases; also desirable for outdoor plantings where slender, graceful vines are wanted. Mixed colors. Pkt. 10c.

**MOMORDICA.—Mixed.**—A rapid growing vine bearing large bright colored fruits known as Balsam Apple and Balsam Pear. Foliage ornamental, and fruits are golden yellow, opening when ripe, showing a bright carmine center. A fine vine for trailing over stumps, rockeries, etc. Pkt. 5c; oz. 25c.

**MAMMOTH PASSION FLOWER.**—A very desirable climbing plant. Sow the seed early and if well cared for and seasons are favorable, vines will put forth magnificent blossoms the first year, of pink, blue and white, very large and showy. It is a native of tropical America and the early Spanish and Portuguese travelers gave it its name thinking it represented the instruments of the Crucifixion. Begins to bloom when only one or two feet high, but blooms better the second year. It is a very desirable vine for trailing over porch or trellis, and can be left in the open ground through the winter if well protected. They are also quite desirable for planting over mounds and in the cemetery, and are satisfactory for growing in the window garden. Per pkt. 10c.



SMILAX



PASSION FLOWER



WISTARIA

**PERENNIAL SWEET PEAS.**—(Lathyrus.)—A very popular perennial variety wherever known and it should be more generally used. Mixed colors. Bloom second year. Pkt. 5c; oz. 20c.

**RUNNER BEAN.—Scarlet Runner.**—A valuable climbing vine, belonging to the bean family, having bright scarlet flowers and pods; very showy as a climber, also valuable for table use. Pkt. 5c; ½ lb. 25c.

**Arabian Runner.**—A beautiful variety of the above with striped scarlet and white flowers. Pkt. 5c; ½ lb. 25c.

**SMILAX.**—Considered the most beautiful of all vines for indoor growing and specially valued by florists for decorating and floral work all times of the year. The seeds start slowly and should be planted in loose, rich soil, and kept moist and warm. Pkt. 5c.

**THUNBERGIA.—Mixed Colors.**—(Black Eyed Susan.)—Beautiful rapid growing climbers for vases, trellises or rustic work. Flowers buff, orange, white, etc. Pkt. 5c.

**WISTARIA.**—One of the most popular hardy vines, climbing to a height of fifty feet or more. It is perennial and easily grown from seed. Of rapid growth, bearing in spring immense panicles of purple flowers in great profusion. Pkt. 10c.

#### WIRE NETTING FOR TRELLIS

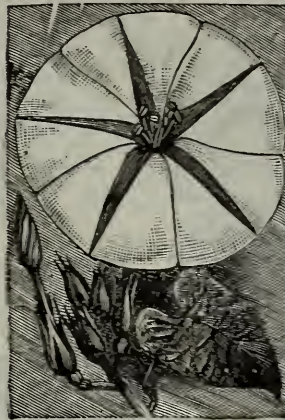
Galvanized wire poultry netting 4 feet wide makes the best support for the Sweet Pea. This netting may be purchased in any desired width, and can be used nicely for most vining plants. Price, not prepaid: 4 ft. width, 10 ft. length, 40c; 50 ft. length, \$1.75; 3 ft. width, 10 ft. length, 30c; 50 ft., \$1.25; 2 ft. width, 10 ft. length, 20c; 50 ft., 85c.

A complete price list of various sizes of wire netting will be found in the poultry supply list in this catalogue.



GALVANIZED WIRE NETTING

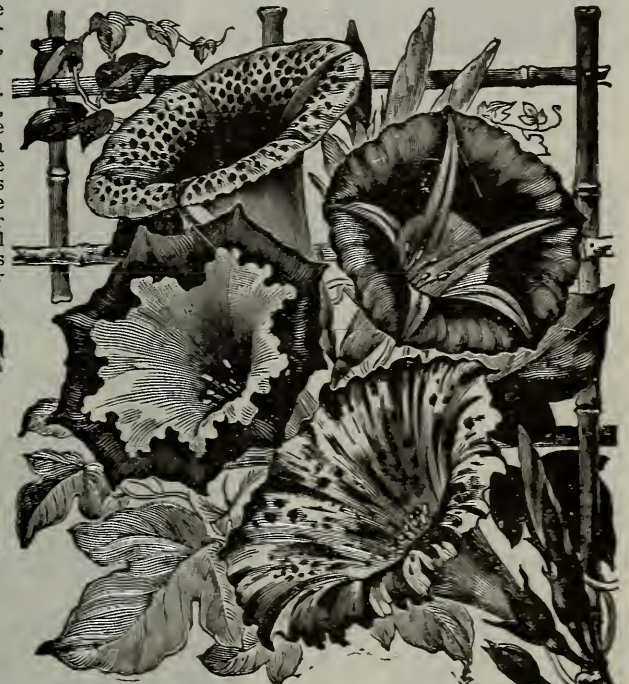
**KUDZU VINE.—Jack and the Beanstalk.**—Hardy, very rapid growing vine which dies to the roots after frost, but which grows to forty feet in a season when established. Large foliage and clusters of pea-shaped purple flowers. Grows readily from seed. Pkt. 10c.



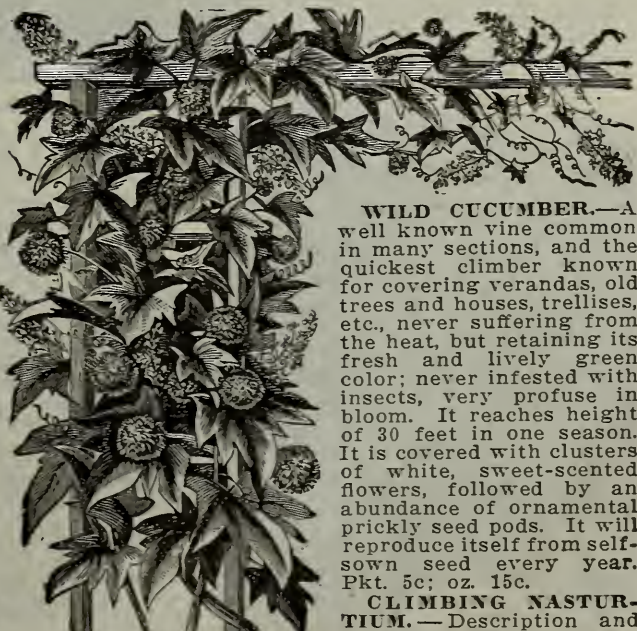
MOONFLOWER

**MOONFLOWER. — White.**—(Ipomoea Grandiflora.)—One of the grandest summer climbers, growing twenty-five to forty feet high, and covered nightly and on dull days with beautiful white and moon-like flowers from 5 to 6 inches in diameter. Fragrant. Pkt. of 15 seeds, 10c.

**Blue.**—(Ipomoea Leairi.)—Distinct and charming novelty; in striking contrast to the true White Moonflower. Color is exquisite clear, satiny blue; well defined crimson bars. Pkt. 10c.



IMPERIAL JAPANESE MORNING GLORIES



WILD CUCUMBER

**WILD CUCUMBER.**—A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, very profuse in bloom. It reaches height of 30 feet in one season. It is covered with clusters of white, sweet-scented flowers, followed by an abundance of ornamental prickly seed pods. It will reproduce itself from self-sown seed every year. Pkt. 5c; oz. 15c.

**CLIMBING NASTURTIUM.**—Description and prices on different varieties on page 73.



## SUMMER FLOWERING BULBS

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. Few other flowers can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the canna and the wonderful markings of the tigridia. Bulbs for spring planting require but little care and quickly make a gorgeous display, while the bulbs can be kept over winter and year after year will return a hundred fold in beauty and satisfaction the trifling expense of the original cost. For lilies and other hardy bulbs see pages 88 and 90. Bulbs are large and strong and will be sent well packed, postpaid, on receipt of price, except where noted.

### AMARYLLIS

**JOHNSONII.**—Of strong, vigorous growth, bearing from 3 to 6 brilliant red flowers on each stem. The petals are striped with white; very attractive; fragrant. Each 50c.

**FORMOSISSIMA.**—(Jacobean Lily.)—Of extremely rich, deep velvety crimson. Free bloomer and succeeds well in pots or open ground. Ea. 15c, 3 for 40c, doz. \$1.25.

**ATAMASCO.**—A fine little bulb for summer blooming, bearing pink flowers. Plant closely. Each 5c; doz. 50c.

**BELLADONNA.**—Free flowering and fragrant. Flowers are lovely shell-pink color and flower stems two feet or more in height. Each 20c; 3 for 50c.

### BEGONIAS

**SINGLE TUBEROUS ROOTED.**—Fine for bedding or borders, producing lovely bright flowers of various shades. Colors to order as follows: Scarlet, pink, white, yellow, or crimson. Each 10c; doz. 75c.

**DOUBLE TUBEROUS ROOTED.**—Double form of flower. Can furnish same colors as above. Each 10c; doz. \$1.00.

### RAINBOW BEGONIA COLLECTION

One bulb each of seven different colors; may be started in the house or will keep sound and strong for May planting outdoors. Second size bulbs.

Postpaid for Only 25 Cents.

### CINNAMON VINE

This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon; is appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves, clusters of delicate white flowers and delicious cinnamon odor it is most desirable.

We furnish the large tubers, postpaid for 10c; 3, 25c; doz. 65c. We can supply small bulblets from which the large tubers may be grown in one season at 10c per doz.; 100 for 60c.

### HYACINTHUS CANDICANS

This is a large, strong, vigorous bulb, growing a stem 3 to 4 ft. high. The stems bear quantities of large, drooping flowers, ivory in color and bell-shaped, per illustration. Flowers are delicately fragrant and by planting closely a clump of these bulbs will produce a charming effect, the flowers appearing like giant snowdrops. Each 5c; doz. 50c. Extra large bulbs, each 10c; doz. \$1.00.



TUBEROUS ROOTED BEGONIA  
CALADIUM

**ESCULENTUM.**—(Elephant's Ear.)—A splendid tropical plant, growing 4 to 5 feet, with immense leaves, beautifully veined and variegated with different shades of green. Very showy leaves, often growing three feet long. Of easy culture. Medium sized bulbs 15c, 3 for 40c; large bulbs 25c, 3 for 60c; mammoth 40c, 3 for \$1.00.

**FANCY-LEAVED.**—These have in recent years grown very rapidly in popular favor, not only for the decoration of the conservatory, greenhouse and window boxes, but nearly all of the varieties succeed admirably if planted out of doors, when the ground has become warm, in partly shaded, sheltered borders. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties mixed, each 30c; dozen \$3.00.

### EMERALD VINE

(*Discorca Fargessi.*)—Belongs to the same family as the Cinnamon Vine, though very different and by many considered superior to that fine vine. Vines grow in slender form, and quite massy. Foliage is divided and bright emerald green in color, with a decided luster. Flowers are borne numerous in drooping racemes. Each 10c; 3 for 25c.



CINNAMON VINE



CALADIUM ESCULENTUM.



FANCY LEAVED CALADIUMS

### CALLA LILIES

We may not be able to supply dry bulbs on late orders, in which case growing bulbs will be sent.

**MAMMOTH WHITE.**—Largest flowering variety and most majestic. It is of perfect flowering form with large tropical appearing leaves of bright green color and yielding throughout the season a profusion of white flowers. Large size each 25c, 3 for 60c; medium size each 15c, 3 for 40c.

**ELLIOTTIANA.**—This magnificent new yellow calla is of marvelous beauty. The flowers are very large and of the brightest golden yellow. Leaves beautifully spotted with white. Each 25c; 3 for 65c.

**LITTLE GEM.**—A perfect miniature Calla, growing 8 to 12 inches high, producing beautiful snow-white blossoms. Blooms summer or winter, beginning when a few inches high. Growing plants 15c; 3 for 40c.

**SPOTTED LEAF.**—Leaves deep green with spots, giving plant a magnificent appearance. Flowers are of pure white with black centers. Fine for planting in the garden in summer. Each 10c; doz. \$1.00.



LITTLE GEM CALLA



HYACINTHUS CANDICANS

YOU DO NOT HAVE TO PURCHASE BULBS EACH YEAR. THEY ARE EASILY KEPT THROUGH THE WINTER



# GLORIOUS CANNAS

Such a great improvement has been made in Cannas during the past few years that they may well be called "glorious." They are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

**A. CROZY.**—Height 4 feet. Green foliage. Crimson scarlet, with broad gold border. Each 15c; dozen \$1.50.

**ALLEMANIA.**—Foliage pea green and very wide; flowers are orange scarlet, lemon edge. Height 4 feet. Each 15c; doz. \$1.25.

**ALSACE.**—Color is a creamy white, without any spotting, and when grown with the dark yellow and red varieties appears like clear white. Each 15c; doz. \$1.30.

**AMERICA.**—Height 4 feet. One of the handsomest of the bronzed leaved varieties. Leaves show some tinting of green applied in such a way that they appear as if striped. Flowers extra size, dark yellow, veined with red. Each 20c; doz. \$2.00.

**BURBANK.**—The well known Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches. Flower is rich canary yellow; crimson spots near center. Height 5 feet. Each 15c; dozen \$1.20.

**BUTTERCUP.**—Beautiful clear yellow flower; large spikes. A very free blooming variety. Splendid for bed of dwarf cannas with Madam Crozy and Wm. Saunders to supply contrasting colors. Each 15c; dozen \$1.50.

**CALIFORNIA.**—Rare and handsome; color a pure rich orange gold, no other like it. Has nearly all the good qualities combined, good habit of growth, large flowers, erect head, and blooms freely; green foliage. A color that always looks well. Height 4 feet. Each 15c; dozen \$1.50.

**CHARLES HENDERSON.**—Four feet high. Green foliage; one of the finest bedding plants in existence, of compact, vigorous growth and a free bloomer; color a deep rich crimson. Each 10c; dozen \$1.00.

**ELLIOTT.**—Tall growing, green foliage. Height five feet. Large scarlet flower. Each 15c doz. \$1.50.

**SECY CHABANNE.**—A distinct shade of salmon. Flowers large, plant strong and robust; a free bloomer. 3 feet. Each 25c; dozen \$2.50.

**DR. NANSEN.**—Flower is a clear bright yellow. Strong, vigorous and free flowering dwarf sort with large blooms of good substance. 2½ to 3 feet. Each 20c; doz. \$2.00.

**DR. ROBERT FUNKE.**—A scarlet-flowered variety growing heavy, dense blossoms. Height 4 to 4½ feet; green foliage. Each 20c; doz. \$2.00.

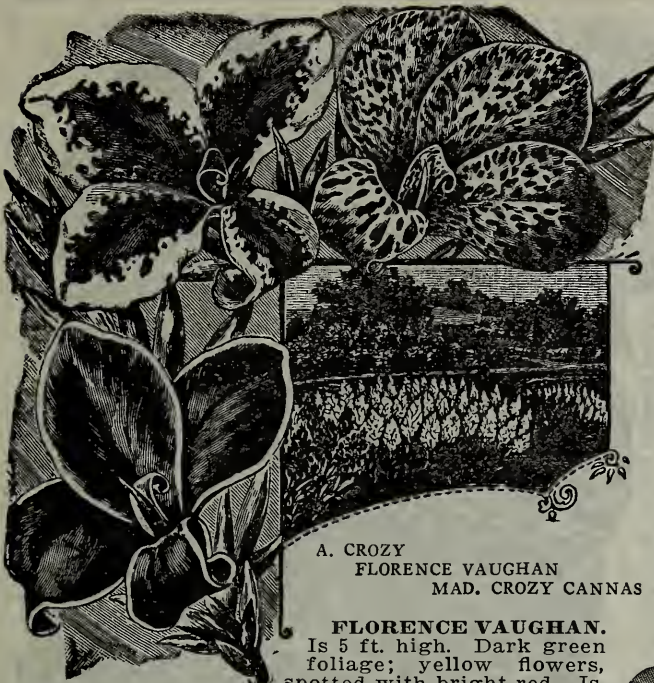
## CONTRAST CANNA BED

A Few of the Best in a Bargain Offer.

2 Allemania	2 Chas. Henderson
2 Mont Blanc	2 Buttercup
2 West Grove	2 Robusta

Twelve of the choicest sorts, showing a fine contrast in flower and foliage.

POSTPAID FOR \$1.25.



A. CROZY  
FLORENCE VAUGHAN  
MAD. CROZY CANNAS

**FLORENCE VAUGHAN.**  
Is 5 ft. high. Dark green foliage; yellow flowers, spotted with bright red. Is fine for bedding. See illustration above. Each 10c; dozen \$1.00.

**GLADIATOR.**—Height 5 feet. A strong grower. Ground color a bright yellow, thickly spotted with crimson. A profuse bloomer and flowers are borne well above the foliage. One of the very best ornamental cannas. Each 20c; doz. \$2.00.

**INDIANA.**—Height 6 feet. Foliage glossy green. Flowers golden orange, marked and striped bright red. Spikes of flowers thrown up above foliage. Each 15c; doz. \$1.50.

**ITALIA.**—Petals have brilliant orange scarlet center, widely bordered with clear yellow. Height 4 ft. Each 15c; doz. \$1.50.

**KATE GRAY.**—Very large flowers, often six inches across. Color orange scarlet streaked and flaked with golden yellow. Height five feet. Each 15c; doz. \$1.50.

**KING HUMBERT.**—One of the grandest new cannas ever offered. Has flowers as large as the largest of the orchid flowering cannas. Bright orange scarlet streaked with crimson. Foliage is bronze with brownish green stripes, large, thick and leathery. Strong grower; height 4 feet. Each 20c; doz. \$2.00.

**LOUISIANA.**—Orchid flowered; color vivid scarlet. A strong grower; height 6 feet. Foliage green. Each 20c; doz. \$2.00.

**MADAM CROZY.**—One of the most popular sorts. A fine grower and the contrasting colors of the flower make it a favorite. Height 3½ feet. Green foliage; flowers vermillion red, gold bordered; a succession of flower trusses. Each 10c; doz. \$1.00.

**MARTHA WASHINGTON.**—Dwarf variety growing about three feet tall. Very profuse bloomer. Flowers large, and beautiful bright pink color. Each 15c; doz. \$1.50.

**MISS BERTHINE BRUNNER.**—Yellow flowers in large open clusters. Splendid showy flowers for bright effects. Each 15c; doz. \$1.50.

**MONT BLANC.**—The nearest pure white of any canna ever offered. The flowers are large and showy. Each 25c; doz. \$2.50.

**PENNSYLVANIA.**—One of the best orchid flowered sorts. Foliage green, flowers very large, bright scarlet, shaded orange; height 6 feet. Each 15c; doz. \$1.50.

**PRES. MEYER.**—Height 4½ ft. A dark foliage variety, with very large petaled flowers of cherry red. Choice variety. Ea. 15c; doz. \$1.50.

**QUEEN CHARLOTTE.**—Blossoms large, center of petal scarlet, with large ragged border of yellow, like illustration of A. Crozy in upper left hand of this page. Height 3½ feet. Each 15c; doz. \$1.50.

**ROBUSTA.**—Effective large dark-leaved variety. Leaves 12 to 18 inches wide. Height 8 feet. Each 15c; doz. \$1.50.

**UNCLE SAM.**—A tall stately variety growing six to seven feet. Immense heads of orange scarlet flowers. Each 20c; dozen \$2.00.

**VENUS.**—Flower bright pink, with narrow border of bright lemon yellow, center and throat splotted orange. Vigorous and perfect form, long erect stems bearing large trusses of splendid shape and most delicate in coloring and texture of flower. Each 15c; dozen \$1.50.

**WEST GROVE.**—Height 4½ feet. Flowers extra large, pink. Each 20c; doz. \$2.00.

**WM. SAUNDERS.**—Splendid large scarlet flowers in very large clusters. Strong; vigorous. Bronze foliage; 3 to 4 ft. Each 20c; doz. \$2.00.

**WYOMING.**—One of the most majestic flowering cannas in orchid-flowering class, with a luxuriant growth of rich purple foliage. Above are borne great plumes of massive orange-colored blossoms with large rounded petals. Seven feet. Each 15c; doz. \$1.50.



BURBANK



VENUS

**MIXED BEDDING CANNAS.**—Each 8c; doz. 75c. Our choice of kinds selected for harmony and pleasing contrasts.

CANNAS ARE THE MOST MAJESTIC OF ALL BEDDING PLANTS. A CHOICE LOT TO CHOOSE FROM



# STATELY DAHLIAS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. They have been greatly improved and we now grow acres of them to supply the demand. Out of the many hundred varieties we have selected the following as of special value. For best results start roots early in the house. Late in the season, when dry roots become exhausted, we then fill orders with strong rooted pot plants.

## DECORATIVE DAHLIAS

Type of blooms see Nos. 1 and 2 in group picture.

**CLIFFORD W. BRUTON.**—(See cut No. 1.)—A beautiful dahlia of greatest merit. Extra large flowers of bright golden yellow, perfect in shape and form; very early bloomer. Each 15c, 3 for 40c.

**DELICE.**—A new dahlia, greatly prized by specialists because it is a new shade—an exquisite glowing rose pink—a soft yet brilliant shade. Admirable in vigor and habit of growth. Ea. 30c, 3 for 75c.

**FLORA.**—Listed by some growers among cactus flowered sorts. It is an ideal white dahlia. It produces fine, large, heavy flowers on strong, stiff stems, making it valuable for cutting. Ea. 20c, 3 for 50c.

**JACK ROSE.**—So named because the color is brilliant crimson red, almost exactly like the General Jacqueminot rose. Popular because of brilliant color which shows to advantage in any collection. Each 15c, 3 for 40c.

**SYLVIA.**—(See cut No. 2.)—A very lovely shade of mauve pink, shading to white in the center. A fine flower on a vigorous plant. One of the best decorative dahlias of lighter shade. Ea. 15c, 3 for 40c.

**SOUVENIR DE GUSTAV DOAZON.**—A giant flower on strong plant. Will grow ordinarily six inches in diameter and sometimes is fully nine inches across. Plant grows freely and produces blooms in abundance. Color bright, dazzling red. Ea. 25c, 3 for 60c.

## SHOW DAHLIAS

Type of blooms, Nos. 3, 4 and 5 of group picture.

**A. D. LIVONI.**—(See cut No. 4.)—Also offered under the name Ethel Vick. A very early blooming variety of delicate shell pink. Very handsome and the best of the pink show sorts. Popular as a cut flower. Each 15c, 3 for 40c.

**ARABELLA.**—A beautiful flower of primrose or light yellow, tipped rose and lavender. A lovely combination, bright, yet modest. Flower of good size, on fine, strong plant. Each 15c, 3 for 50c.

**BON TON.**—(See cut No. 3.)—A rich, deep garnet red flower of compact form, beautiful in every situation. One of the best solid colored blooms. Each 15c, 3 for 40c.

**GRAND DUKE ALEXIS.**—Flowers 18 in. in circumference and of most beautiful form, petals are rolled up so that they overlap each other. Color is pure snow white slightly tinged with delicate pink at center. No other sort equals it in size or beauty. Ea. 25c, 3 for 65c.

**MAID OF KENT.**—(See cut No. 5.)—Richest crimson velvet. About half the petals tipped with a large spot of white. Frequently flowers are solid scarlet, but most are variegated. Each 15c, 3 for 40c.

**QUEEN VICTORIA.**—Plant a robust grower and so covered with flowers as to appear almost like a solid mass of golden yellow color. Blooms early, very freely and continuously. Each 15c, 3 for 40c.

**WHITE SWAN.**—A lovely pure white flower. Plant is a strong, vigorous grower, branching freely and flowers are borne on long stems, valuable for vase bouquets or decorations. Ea. 15c, 3 for 40c.

## PAEONY FLOWERED DAHLIAS

Paeony flowered dahlias have irregularly curved and twisted petals as beautiful as they are odd.

**DUKE HENRY.**—Splendid bright carmine red; very pleasing both in color and habit of plant. The best red of this type and will be a prized variety. Each 25c, 3 for 60c.

**KING LEOPOLD.**—The best of the yellow paeony flowered type. Attractive form and color. Desirable for contrast work and to complete the detailed color scheme in clump plantings. Ea. 30c, 3 for 75c.

**QUEEN EMMA.**—Ground color of bright rose, yellow margined. A strong, robust grower. Flowers are borne on long stems and are fine for cutting. Ea. 25c, 3 for 60c.

**QUEEN WILHELMINA.**—A white variety with golden yellow center, making an unusually bright bloom. Splendid for contrasting among other colors and types because of its delicate beauty. Ea. 25c, 3 for 60c.



CACTUS  
DAHLIAS

## TWENTIETH CENTURY DAHLIAS

Type of flower shown in illustration.

**CARDINAL CENTURY.**—The ground color of the flower is bright cardinal red, and the general appearance of the bloom is particularly striking and attractive. Among single dahlias the Twentieth Century class is far ahead of any other, and this is a fine variety. Ea. 20c, 3 for 50c.

**GOLDEN CENTURY.**—Extra large single blooms, with general effect of a beautiful golden yellow. The markings add to the attractiveness of the flower so that it will make a splendid bloom for vases or bouquets. A desirable sort for clump planting. Each 20c, 3 for 50c.

**FRINGED TWENTIETH CENTURY.**—Of "Century" type but petals are fringed, presenting a distinct and different appearance. Color is intense rosy crimson, with white tips and white disc around the yellow center. A bloom of beauty. Ea. 20c, 3 for 50c.

**ROSE PINK CENTURY.**—Flowers six inches and over in diameter; of a clear rose pink color; a strong grower with long, stiff stems. Fine as a cut flower and shows extra well under artificial light. Each 20c, 3 for 50c.



DAHLIAS (REFER TO NUMBER IN DESCRIPTION)

## CACTUS DAHLIAS

**AURORA.**—Extra large size, elegant in form, perfect in type, most exquisite coloring. Attractive soft pink, slightly tipped white with brilliant golden heart. Ea. 25c, 3 for 60c.

**COUNTESS OF LONSDALE.**—A peculiar pleasing shade of salmon pink or apricot, shading to carmine at edge of petals. Blooms freely in nearly all situations. Strong, vigorous grower. Ea. 25c, 3 for 60c.

**KREIMHILDE.**—Bright, shining pink, gradually shading to white at the center. Vigorous grower producing the flowers on perfect long stems, making it especially valuable for a cut flower. Each 20c, 3 for 50c.

**RENE CAYEUX.**—One of the earliest to bloom. Splendid bright geranium red color, fine form, exceedingly attractive. Comparatively new it has quickly taken front rank because of merit. Each 25c, 3 for 60c.



TWENTIETH CENTURY DAHLIAS

THE BEST OF THE DIFFERENT DAHLIA TYPES ARE OFFERED. YOU CAN EASILY FIND YOUR FAVORITE





## CHOICE GLADIOLUS.

These are a specialty with us and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. It is the most desirable of all bulbs and claimed by many, who are well acquainted with their varied beauty, to be the flower of flowers.

**ALTOONA MIXED.**—This is put first in our list of Gladioli because we believe it is the best mixture in existence. These bulbs are grown by us on our Altoona farm and the mixture is made mainly from the named varieties on this page and other very choice sorts which we do not list. Large bulbs each 7c; doz. 60c; 100 for \$4.00.

**AMERICA.**—A splendid new variety of beautiful soft pink shade. It will delight the gladiolus grower with its large flowers and pleasing beauty. Each 10c; doz. \$1.00.

**AUGUSTA.**—White ground color with blue shading. Fine variety as it is very vigorous and spikes are large and fine. A very beautiful flower. Each 5c; doz. 50c.

**BRENCHLEYENSIS.**—Deep vermilion scarlet. One of the brightest and most showy varieties. You must have some Brenchleyensis to add the flaming red in your color scheme. A few spikes of the above make a striking bouquet. Each 4c, dozen 40c.

**CANARY BIRD.**—The yellow flowered sorts are the aristocrats among Gladioli and the Canary Bird is without doubt the best yellow variety. It is a good, vigorous grower and color of the flower is pleasing and attractive. Each 15c, doz. \$1.50.

**FLORIDA.**—An early blooming sort of deep red color. Popular because it is an attractive shade, either in solid or mixed bouquets, and is fine for mass or mixed plantings in the open garden. Each 10c, doz. \$1.00.

**GRACE.**—A lovely flower of blush white, striped crimson with white throat. Very fine spikes of wide open flowers, often 10 to 15 on a stalk. Will prove a fine light shade among the more pronounced reds. Each 10c, doz. \$1.00.

**MRS. FRANCES KING.**—A hybrid sort of great beauty and attractiveness. The color is very pleasing light scarlet. Spike strong, flowers large and usually a half dozen open at once. Each 10c, doz. \$1.00.

**MADAM MONNERET.**—This is a very lovely blossom of solid flesh pink color. Fine spike. Each 10c, doz. \$1.00.

**VELVET KING.**—Almost solid colored flower of deep crimson. A very fine variety for bouquets or decorative effects. Each 20c; doz. \$2.00.

**TACONIC.**—A beautiful flower of lovely pink, striped and flaked lighter shade, and with throat of light blush. Crimson markings on lower petals. Each 20c; doz. \$2.00.

**DeCHEVILLE.**—In color is salmon red with buff blotch on throat. Of the Lemon or butterfly type. Free bloomer with long spikes. Each 10c; doz. \$1.00.

**KLONDYKE.**—Color clear primrose yellow with blotch of crimson maroon. Striking. Strong and vigorous plant, blooming early. Each 15c; doz. \$1.50.

### FEMINE GLADIOLUS COLLECTION

One each, Augusta, Grace, May, Mrs. Frances King and Madam Monneret, 5 choice sorts, only 35c.

**INDEPENDENCE.**—Introduced by us, and is an extra choice variety, attracting great attention because of its extra large size, wide open flowers and handsome salmon rose color. It is a strong, vigorous grower, nearly 3 feet high. Color varies as flower grows older. Ea. 10c, doz. \$1.00.

**MAY.**—Popular with florists. White flaked with crimson. A dainty flower with just enough color to make it really beautiful. Each 10c, doz. \$1.00.

**PRINCEPS.**—Rich crimson with deep shadings in throat, and fine large white blotches on the lower petals. The flowers are exceedingly large and fine and they bloom for a long time. This is one of the most magnificent of gladioli. Each 20c, doz. \$2.00.

### SPECIAL GLADIOLI MIXTURES

For the benefit of such of our customers as wish a number of given tints for massing we are offering some mixtures of different shades at attractive prices. For the bed of varied colors we offer you some of the choicest mixtures to be found in this country.

**SILVER TROPHY MIXED.**—Considered one of the finest of commercial mixtures. Our stock was procured from the originator and has been carefully grown, so that we can without hesitation recommend it to our friends. Each 7c; doz. 60c; 100 for \$4.00.

**GROFF'S HYBRIDS MIXED.**—A mixture containing all the new varieties of this splendid type of prize gladioli. Next to our Altoona mixture, we offer the Groff's hybrids as the most generally satisfactory mixture. Have been universally praised by admirers of this flower. Each 6c, doz. 50c, 100 for \$3.00.

**GROFF'S BLUE MIXED.**—A mixture in various shades of blue of the type of Groff's Hybrids so generally popular. Each 15c, dozen \$1.50.

**CHILDSIL.**—A mixture of this special type of gladiolus, striking in varied markings of flowers. Each 5c, doz. 50c.

**RED MIXED.**—Darker colors than the above. Each 5c; doz. 40c; 100 for \$3.00.

**PINK MIXED.**—Many varieties of this popular shade of color. Each 5c; doz. 50c; 100 for \$3.50.

**WHITE AND LIGHT MIXED.**—The light colored sorts. Each 5c, doz. 50c, 100 for \$3.50.

**YELLOW MIXED.**—Ranging from lemon to the darkest shades. Each 8c, doz. 75c, 100 for \$5.00.

**FINE MIXED.**—Our own mixture containing a wide range of color; offered at a very low price and we feel sure they will prove satisfactory. First size each 4c, doz. 35c, 100 \$2.50; second size each 3c, doz. 25c, 100 \$1.50.



INDEPENDENCE. MAY AND  
PRINCEPS GLADIOLUS

THE BEAUTIFUL FLOWERS OF THE GLADIOLUS MAKE THE FINEST CUT FLOWER FOR TALL VASES



# BEAUTIFUL LILIES

Nothing can surpass the Lily in beauty, purity, delicacy and stately, magnificent grandeur. A few clumps planted in some place in your yard where they will not be disturbed from year to year, will reward you with abundant flowers. These varieties are, perhaps, the most popular lilies grown, being of easy cultivation, and producing large flowers of delicate beauty on strong stems. Bloom better the second year and thereafter.

**AURATUM.**—(Japanese Gold-Banded Lily.)—This is justly entitled to the name given it, "The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 20c; dozen \$1.75; extra large bulbs each 30c; dozen \$2.75.

**SPECIOSUM RUBRUM.**—These are perhaps the most popular lilies grown, being easy of cultivation and produce large flowers of delicate beauty on strong stems; height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are 5 or 6 inches in diameter, very fragrant, and have all the hardness of the Speciosum class. Each 15c; 3 for 40c.

**SPECIOSUM ALBUM.**—The finest of the pure white, hardy perennial garden lilies. Has large white flowers of great substance, beautifully recurved. Each 20c; 3 for 50c.

**MELPOMENE.**—Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bearded with pinkish crimson. Petals recurved, widely bordered. Each 20c; 3 for 50c.

**TENUIFOLIUM.**—The lovely Coral Lily of Siberia, brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed a little beauty. Each 15c; doz. \$1.50.

## EASTERN SPLENDOR LILY COLLECTION

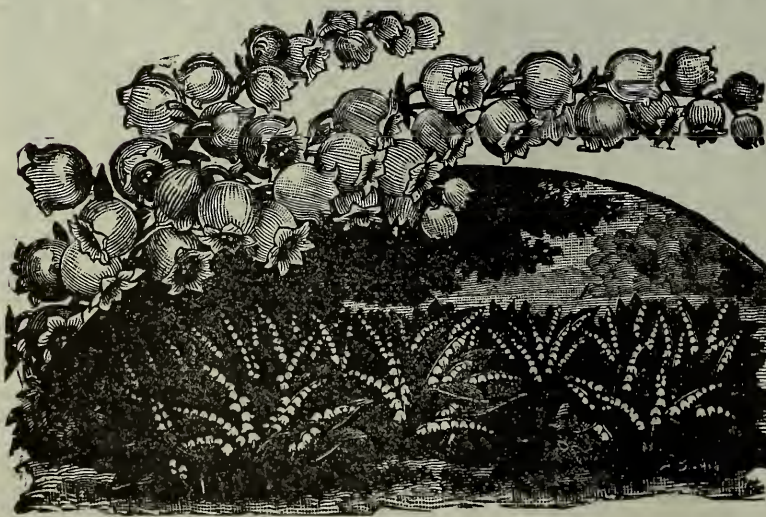
One nice bulb each of the Auratum, Rubrum, Album, Double Tiger and Melpomene lilies for only 75 cents, post-paid.



CORAL LILY



LEMON LILY



LILY OF THE VALLEY



## TIGER LILIES

**DOUBLE TIGER LILY.**—A double form of the old Tiger Lily. The flower is densely double, color orange red, spotted with black. Blooms freely; should be more largely grown. Each 15c; dozen \$1.25.



DOUBLE TIGER LILY

**TIGRINUM SPLENDENS.**—An improved Tiger Lily growing sometimes 6 ft. high, and producing large pyramids of orange red flowers spotted with black. Each 10c; doz. \$1.00.

**TIGRINUM.**—Old form of Tiger Lily. Each 8c; doz. 75c.

**EASTER LILIES.**—Are supplied as fall bulbs. For prices see page 90.

**LEMON LILY.**—One of the handsomest flowers for garden culture. It is not a true lily, as the bulb is of a different shape, but the flower is very much like the *Lilium Speciosum* in form and about 3 in. diameter. The color is entirely different from all others, being a clear lemon yellow of very bright, pleasing appearance. They have also a most delightful lemon fragrance. There seems to be almost no limit to amount of bloom produced. Each 15c; dozen \$1.50.

**ORANGE LILY.**—(*Hemerocallis Demorteri*).—Similar to Lemon Lily, but of fine orange color. A bed of these and Lemon Lilies intermingled will give a most pleasing effect in outdoor plantings, and the grower will be more than repaid by the wealth of blossoms available for table decorations or bouquets. We wish we might persuade all our flower loving customers to try the two lilies mentioned and we feel sure they will be delighted with results obtained. Each 10c; dozen 75c.

**DOUBLE CORN LILY.**—(*Hemerocallis Kwanso*).—For description and illustration see page 125. A double-flowered orange lily. Each 10c; doz. \$1.00.

**SPECIAL OFFER.**—We will send 2 Lemon and 2 Orange and 2 Double Corn Lily bulbs for 50c, post-paid.

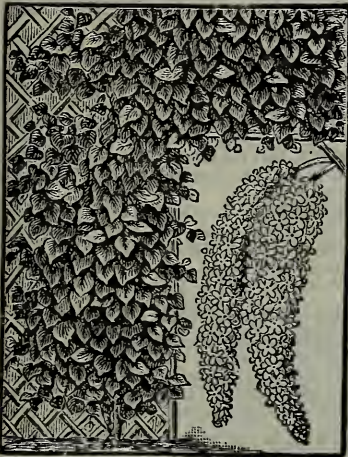
**LILY OF THE VALLEY.**—A well known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. To grow in open ground select a partly shaded rather moist situation, and they are charming when grown in large patches as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 15c; dozen 35c; 100 for \$2.00.

LILIES CAN BE PLANTED EITHER SPRING OR FALL WITH EQUALLY GOOD RESULTS





GLOXINIA



MADEIRA VINE



PEARL TUBEROSE



TRITOMA PFITZERI

## FANCY FLOWERED GLOXINIA

We know of no bulbous plant that will give such universal satisfaction as the Gloxinia. Their charming trumpet-shaped flowers are exquisitely tinted, blotched or tigered with miniature dots of violet, pink or crimson. They are of the easiest culture in pots and bloom continuously for months. We have a grand strain of Hybrid Gloxinias in mixed colors or in separate colors of crimson, rose, scarlet, violet, white, etc. The Gloxinia may be handled with success anywhere if given good, rich, light soil and a partially shady situation until well started into growth. Each 10c; doz. \$1.00.

## GIANT FLOWERED ISMENE

Really one of the most lovely of the great Amaryllis family, having a peculiar grandeur which one can appreciate at sight, but can not describe. The flowers are very large and of snowy whiteness and are also exceedingly fragrant. The bulbs bloom in a few weeks after planting. As a pot plant it is grand, and as a garden bulb treated like a gladiolus, it is the choicest of all flowers. Each 15c; doz. \$1.50.

## MADERIA VINE

Also called Mignonette Vine and Mexican Vine. A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vine makes a very rapid growth and a few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each 5c; doz. 45c.

## MONTBRETIA

**CROCOSMIFLORA.**—A new summer-flowering bulb, easier than the gladiolus to grow, but can be planted earlier and left in the ground later, as they are so hardy they continue to bloom after fall frosts. One of the brightest and most winsome flowers we know of. From July to October they are one mass of flowers, spike after spike of the flame-like beauties appearing. Very fine for cutting. Each 5c; doz. 40c.

## SUMMER FLOWERED OXALIS

No bulb is so valuable for edging the borders of walks or flower beds as the beautiful flowering Oxalis. When planted three inches apart they produce an unbroken row of elegant foliage and pretty flowers; and they bloom very quickly after planting.

**SHAMROCK.**—Leaves resemble four-leaf clover; flowers rose color and borne in profusion on vine-like stems. Pretty for border. Doz. 10c; 100 50c; mammoth bulbs per doz. 15c.

**DIEPI ALBA.**—Pretty low-growing variety with light green leaves and clusters of pure white bell-shaped flowers; blooms profusely. Doz. 10c; 100 for 40c.

**LASIANDBRA.**—Large, dark green, palmate or five-fingered leaves, with clusters of rosy pink flowers. This is taller than above. A most satisfactory bulb for bordering flower beds. Doz. 10c; 100 for 50c; mammoth bulbs, doz. 15c.



OXALIS SHAMROCK

## RESURRECTION PLANT

A curiosity sure to interest children. Looks like a ball of dried moss, but when dropped into a bowl of tepid water it quickly opens out into a beautiful fern-like plant. It is not planted in earth. Each 15c, 4 for 50c.

## TIGRIDIA

**PEACOCK OR SHELL FLOWER.**—Showy summer bulbs, blooming freely from midsummer until frost. Large, wide open, triangular blooms. Colors and markings are very brilliant and peculiar, odd and attractive. Clumps of them in a border have a most gorgeous effect. Very easily grown. Each 5c; doz. 50c.

## TRITOMA

**PFITZERI.**—(Flaming Torch.)—Flower spikes are produced in great freedom and are gigantic in size, frequently 3 to 4 feet high. The flowers are of rich orange scarlet, shaded to a rich salmon rose at the edge. A bed of these in bloom is a grand sight, or, scattered through a flower garden it adds brightness and is in its glory when nearly all other flowers are seared with early frost. Each 15c, 4 for 50c.



RESURRECTION PLANT

## TUBEROSE

**NEW EXCELSIOR PEARL.**—The tuberose is justly a universal favorite and very easily grown. This variety has short, robust stem and long spikes of large flowers, which are perfectly double and twice the size of the common tuberose, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for buttonhole bouquets. Monster bulbs each 7c; doz. 65c. First size bulbs each 5c; doz. 40c. Second size, doz. 25c; 100 for \$1.25.

**MEXICAN SINGLE.**—Grows 3 ft. high, producing two to five flower stems from one bulb. Flowers single, pure white, much pleasanter in fragrance than the Pearl. Each 5c; doz. 40c.

**VARIEGATED LEAVED.**—Leaf bordered creamy white; flowers single but very large and exquisitely fragrant. Bulbs continue to grow and bloom year after year. Each 5c; doz. 50c.

## ZEPHYRANTHES

Popularly known as "Zephyr Flowers" and "Fairy Flowers." They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in the spring, flowering with great profusion during summer. Are very suitable for pot culture; 4 to 6 bulbs clustered in a 6-inch pot will give a fine display. Pink. Each 5c; doz. 50c.



ZEPHYRANTHES

YOU CAN GET RESULTS AT ONCE BY PLANTING SUMMER BULBS. OURS ARE ALL BLOOMING SIZE



# WINTER BLOOMING BULBS

Some of the most beautiful and fragrant flowers belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted. Bulbs arrive from Holland about Sept. 20th. The best way is to order during spring or summer, then your order will be filled as soon as bulbs are received. Orders filled in rotation upon arrival of stock, and if yours is on file you are sure to receive choice fresh bulbs and get your order in full. Sometimes stock is exhausted later in fall and some items cannot be supplied to late customers. These bulbs are solid and heavy and the postage is expensive but we prepay them at prices named. If any of these items appear on your spring seed or plant orders the seasonable goods will be sent and the winter bulbs will be mailed you at time specified above. Orders should amount to at least 25 cents.

## FREESIA

One of the daintiest flowers for conservatory or window garden. Color white with yellow blotched throat; quite fragrant; free bloomer and will keep for two weeks in water after cutting. If planted early can be forced to bloom by Christmas. Six or eight bulbs should be planted in 4-inch pot. Not hardy. 20c. Mammoth-bulbs 5c, doz. 30c.

## CROCUS

White, Mixed Shades of Yellow, Mixed Blue and Purple, Striped and Variegated Mixed, doz. 15c, 100 \$1; Cloth of Gold, Cloth of Silver, Mammoth Yellow, doz. 20c, 100 \$1.25; all colors mixed, doz. 10c, 100 80c.

## HYACINTHS

### Single Varieties.

**GERTRUDE.**—Bright red. Large truss. Each 12c, dozen \$1.20.  
**GIGANTEA.**—Enormous broad spikes, blush-pink. Ea. 12c, doz. \$1.20.  
**QUEEN OF THE BLUES.**—Porcelain blue. Each 15c, doz. \$1.50.  
**L'INNOCENCE.**—Pure white; large; blooms early. Each 15c, dozen \$1.50.  
**IDA.**—Beautiful golden yellow; has large spike; best single yellow sort. Each 15c, dozen \$1.50.

### Double Varieties.

**BOUQUET TENDRE.**—A beautiful flower; deep crimson. Ea. 12c, doz. \$1.20.  
**GOETHE.**—Large, fine truss; handsome citron yellow. Ea. 15c, doz. \$1.50.  
**BOUQUET ROYAL.**—Fine light pink or blush. Extra large spike. Each 12c, dozen \$1.20.  
**BLOKSBERG.**—Light blue; large spike. Color very fine. Ea. 12c, doz. \$1.20.  
**LA TOUR D'AUVERGNE.**—Is very early flowering and the best of all double whites. Each 12c, dozen \$1.20.

## BEDDING HYACINTHS

### SINGLE AND DOUBLE.

Pure white, rose and pink, red, light blue, dark blue, each 8c, dozen 80c. Yellow, each 10c, dozen \$1.00. Mixed, all colors, each 7c, dozen 75c.

## ROMAN HYACINTHS

The florists favorite. Much earlier in bloom than the larger Dutch sorts. Easy, quick forcing, fragrant flowers.

Pure White .....	6c	\$0.60
Light Blue .....	5c	.50
Delicate Rose .....	5c	.50
Canary Yellow .....	10c	1.00

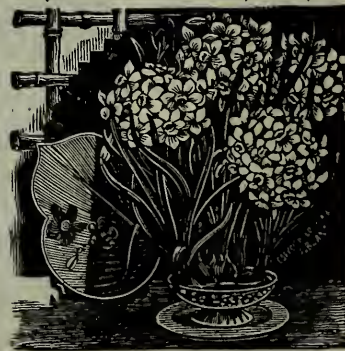
## LILIES

**EASTER LILY.**—Large, pure white trumpet shaped flowers. For winter blooming indoors. Ea. 20c, 3 for 50c.

**CANDIDUM LILY.**—Pure white, hardy garden lily for early blooming. Each 12c, doz. \$1.20.

## CHINESE SACRED LILY

Most popular of all bulbs for winter blooming; of easiest culture. A variety of Polyanthus Narcissus grown by the Chinese. Produce a profusion of bloom in about six weeks from time of planting. Foliage a luxuriant dark green color, surmounted by large, satiny white, fragrant flowers with golden yellow cup. Partly aquatic and must have plenty water. Each 15c, doz. \$1.50.



CHINESE SACRED LILY



VON SION DOUBLE NARCISSUS

## NARCISSUS

**VON SION.**—The True Double Yellow Daffodil.—Has a rich golden yellow perianth and trumpet. This is the old favorite so highly prized in many old-fashioned gardens. Extra large double nozed bulbs, producing two or three flower spikes. Each 6c, dozen 60c; 100 for \$4.00.

**EMPEROR.**—Extra large single flowers, both trumpet and petals yellow. Each 6c, doz. 60c; 100 for \$4.00.

**EMPRESS.**—Like above. Trumpet yellow, petal white. Each 6c, doz. 60c; 100 for \$4.00.

**POETICUS.**—"The Pheasant's Eye," or "Poet's Narcissus." Pure white flowers with orange cup edged with crimson. Hardy. Each 3c, doz. 25c.

**INCOMPARABLE DOUBLE.**—(Butter and Eggs)—Full double of rich yellow and orange. Each 4c, doz. 40c.

**PAPER WHITE GRANDIFLORA.**—Can be made to bloom in December. There is no more satisfactory bulb for house cultivation. Snow-white flowers. Each 5c, dozen 40c.

## SINGLE EARLY TULIPS

**ARMS OF LEYDEN.**—White, striped and slashed red. Each 4c; doz. 40c, 100 for \$3.00.

**BELLE ALLIANCE.**—Deep scarlet flower. Each 4c, doz. 45c, 100 for \$3.50.

**COLEUR PONCEAU.**—Rosy crimson, and tipped white. Ea. 3c, doz. 30c, 100 for \$2.00.

**CRAMOISE BRILLIANT.**—Brightvermillion red. Each 4c, doz. 40c, 100 for \$3.00.

**CRIMSON KING.**—Showy, bright crimson flowers. Each 3c, doz. 30c, 100 for \$2.

**DUCHESS OF PARMA.**—Orange-yellow, and brown shadings. Each 3c, doz. 30c, 100 for \$2.00.

**COTTAGE MAID.**—Carmine pink, center of petals feathered with white, base yellow. Each 4c, doz. 40c, 100 for \$3.00.

**PRINCE DE LIGNE.**—Bright deep yellow. Each 30c, doz. 30c, 100 for \$2.00.

**YELLOW PRINCE.**—Bright yellow. Each 3c, doz. 30c, 100 for \$2.00.

**LA REINE.**—White, sometimes tinged with rose. Each 3c, doz. 30c, 100 for \$2.00.

**KEIZERSKROON.**—Rich crimson with a broad gold margins. Each 4c, doz. 40c, 100 for \$3.00.

**SINGLE EARLY FINE MIXED.**—All colors. Each 3c, doz. 25c, 100 for \$1.50.

**IOWA SEED CO'S BEST SINGLE MIXED.**—From very best named varieties. Each 4c, doz. 35c, 100 for \$2.50.

**PARROT TULIP.**—Flowers large and showy; fantastic in form, being so toothed and corrugated as to resemble a parrot's beak. Yellow, crimson or white, feathered with green, gold and scarlet. Mixed colors. Each 3c, dozen 30c, 100 for \$2.00.



DOUBLE, SINGLE AND PARROT TULIPS

## DOUBLE EARLY TULIPS

**LA CANDEUR.**—Pure white. Beautiful with Rex Rubrorum. Each 4c, doz. 35c, 100 for \$2.75.

**REX RUBRORUM.**—A brilliant double scarlet. Each 4c, doz. 40c, doz. \$3.00.

**DUKE OF YORK.**—Carmine rose, edged broadly with white, suffused rose. Each 4c, dozen 35c, 100 for \$2.50.

**LA CITADELLE.**—Purplish red, bordered yellow. Each 4c, doz. 35c, 100 for \$2.50.

**TOURNESOL.**—Orange scarlet with broad yellow tips and yellow base. Each 5c, doz. 50c, 100 for \$3.75.

**MURILLO.**—(Albino)—Blush white, and shaded rose. Ea. 4c, doz. 35c, 100 for \$2.75.

**DOUBLE EARLY FINE MIXED.**—An excellent assortment. Each 3c, doz. 25c, 100 for \$1.50.

**IOWA SEED CO'S BEST DOUBLE MIXED.**—Made from choicest named varieties. Each 4c, doz. 35c, 100 for \$2.50.

## SNOWDROPS

Single, doz. 15c, 100 for \$1.15, postpaid. Double, doz. 25c, 100 for \$1.75, postpaid.

## SCILLA SIBERICA

Each 4c, dozen 35c.

## JONQUILS

Of Narcissus family. Each 4c, doz. 35c.

## ORKNITHOGALUM

(The Great Flowered or Arabian Star of Bethlehem)—Each 10c, dozen 90c.





IOWA SEED COMPANY'S 31 GREENHOUSES

It is now thirty years since we purchased a range of greenhouses and during the past few years we have entirely rebuilt them, adding greatly to their size each year, and we now have thirty-one large greenhouses besides a large number of steam-heated hotbeds and cold frames, giving us one of the most extensive plants in the country. We employ experienced florists to look after this branch of our business and all their time and attention is devoted to growing flower plants and bulbs exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants thus grown are much better prepared for shipment through the mails and for setting out in the open ground than those grown in the ordinary greenhouses which are kept at a high temperature. We are filling orders constantly from every state and also from Mexico and other foreign countries.

Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

**Terms and Discounts.**—At prices named we send plants postpaid except where noted. Orders must amount to at least 25 cents, for if of less amount they are filled at a loss. With each order of 50 cents or over we add valuable plants without charge.

**Special Express Rates.**—All express companies now carry plants at a reduction of 20 per cent from regular merchandise rates. If you wish your plants sent by express we will put in gratis a few extra plants to help pay the charges.

**We Guarantee** plants ordered from this list to reach purchasers in any part of United States in good order by mail or express. Complaint must be made on receipt of goods.

**Separate Plant and Seed Orders.**—Write plant order on separate sheet so it can go to greenhouse for filling.

**Notice.**—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until usual season for setting out. If plants are ordered during winter for immediate shipment they will be sent at buyer's risk.

### ABUTILON

**SAVITZI.**—A most beautiful new variegated-leaved plant. Its maple-like leaves are almost white, being blotched here and there only with clear, bright green; very large, orange-colored, bell-shaped flowers. Ea. 15c.

**ECLIPSE.**—A splendid variety for baskets and vases; foliage marbled green and yellow; flowers scarlet and orange buff. Each 10c.

**SOUVENIR DE BONN.**—A striking decorative foliage plant with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Very large, graceful drooping, orange-colored flowers. Ea. 10c.

**ARTHUR BELSHAM.**—Green foliage. Flowers large, dark red without markings. Tall and erect. Strong grower, free bloomer; a satisfactory variety. Each 15c.

**GOLDEN BELLS.**—The best yellow flowering variety; of dwarf habit. Each 25c.

**THOMPSONII PLENA.**—Instead of single bell-shaped blooms like all other kinds, this has a perfectly double flower of a rich, deep orange color, shaded and streaked with crimson. Foliage handsomely variegated. Each 10c.

**ERECTA.**—Color pink, changing to orange. Each 10c.

**COLLECTION.**—One each of seven Abutilons, only 75c.

### ARAUCARIA

**EXCELSA.**—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance. Its deep green, feathery foliage arranged in whorls—

rising one above the other at regular distance—makes it a plant of rare value for decorations. By mail, each \$1.00; large, by express, not prepaid, \$1.50 and \$2.00.

### ASPARAGUS

**PLUMOSUS NANUS.**—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown, even in a north window. Leaves bright green, gracefully arched, and as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks. Each 10c; large 25c.

**SPRENGERI.**—A splendid new plant for hanging baskets or pots. It droops most naturally, sending out numerous feathery fronds which, in a short time, make a growth of 3 to 6 feet, forming an exquisitely handsome and striking picture. It produces small white flowers which are succeeded by red berries. A well established plant is literally a mass of emerald green. Nice young plants each 10c; large size each 25c.

NEW  
ABUTILON  
"SAVITZI"

ARAUCARIA



ASPARAGUS PLUMOSUS NANUS

ASPARAGUS  
SPRENGERI

WE EXPECT TO PLEASE YOU WITH THE EXTRA PLANTS WE SEND WITH ORDERS





CHENILE PLANT

**PRINCESS PAULINE**.—A most distinct, novel variety of dwarf, compact habit, rarely exceeding 5 inches in height. Both colors, blue and white, are combined in one flower. Free flowering the entire season and very bright and pretty. Each 10c; doz. \$1.00.

**QUEEN ALEXANDRA**.—Beautiful shade of dark blue; flowers extra size. Gives delightful effect for border of bright colored beds. Each 10c; dozen \$1.00.

**INIMITABLE**.—This is a light blue lavender shade. Fine, handsome flower. Each 10c.

**WHITESWAN**.—Pure whitesort; fine for borders or beds. Each 10c; doz. 75c.

**LITTLE BLUE STAR**.—Very dwarf; growing 6 to 8 inches; continuously in bloom all summer. Each 10c; doz. 75c.

**STELLA GURNEY**.—Color a deep even blue and literally forming a sheet of bloom all summer. Dwarf, compact growth. Each 10c; doz. \$1.00.

**ONE EACH OF SIX AGERATUMS NAMED ABOVE FOR ONLY 50c.**

## ASTER PLANTS

**BEST VARIETIES MIXED**.—Price is low and you should have a fine bed of these. Doz. 25c; 100 \$1.50, prepaid.

**PURITY WHITE**.—Doz. 30c; 100, \$2.

**ENCHANTRESS PINK**.—Per doz. 30c; 100 for \$2.00.

**CARDINAL RED**.—Per doz. 25c; 100 for \$1.75.

**ROYAL PURPLE**.—Per doz. 35c; 100 for \$2.25.

**12 EACH OF ABOVE FOUR COLORS FOR ONLY \$1.00.**



ENCHANTRESS ASTER

double, pure white flowers, resembling bunches of miniature tuberoses. It blooms well during summer, beginning early in July, but its greatest value is for winter. Ea. 15c.

**PRESIDENT GARFIELD**.—A sport from Alfred Neuner, with the same double flowers but differing in color, which is of a clear, rosy pink. Desirable. Each 15c.

**HUMBOLDT**.—Similar to above; flower white. Each 10c.

**COLLECTION.—ONE EACH THREE BOUVARDIAS, 30c**

## ABELIA

**CHINENSIS GRANDIFLORA**.—A graceful small shrub producing an abundance of white heather like flowers the entire summer. Ea. 25c.

## ACALYPHA

**BICOLOR**.—Brighter and more attractive for bedding than Coleus. Leaves bright green margined with band of lemon yellow, dotted and spotted with the same color. Highest coloring in sunny situations. Each 15c.

**TRICOLOR**.—Mottled and blotched with crimson and scarlet on green background. Foliage extra large and maintains its markings best in summer heat. Each 15c.

**MARGINATA**.—Foliage bronze green, margined with bright pink on edges of the leaves. Contrast pleasing and attractive. Each 10c.

**SANDER**.—(Chenille Plant).—A most striking ornamental plant of branching habit, healthy foliage and the flower spikes which appear in pairs from the axis of the leaves, grow from two to three feet in length. They are of a bright crimson color, drooping and mixing among the green foliage with charming effect. Desirable both for outdoor bedding and in house for winter. Each 15c.

## AGERATUM



PRINCESS PAULINE AGERATUM

## ALTERNANTHERA

Bright colored dwarf growing foliage plants, used for carpet bedding, borders, etc. An effective plant for special designs in large beds, for lettering and small figures. Any variety, each 10c, doz. 50c, 100 for \$3.50.

**AUREA NANA**.—Foliage bright yellow.

**BRILLIANTISSIMA**.—Brightest of any red. Striped crimson and green.

**PARYCOIDES MAJOR**.—Dark red with green and yellow stripes.

**ROSEA NANA**.—Dwarf, with rosy crimson foliage.

**VERSICOLOR**.—Olive green, chocolate and crimson.

## ACHYRANTHES

Beautiful foliage plants; useful for carpet beds and masses. Stand heat and sun without losing color and shear without injury. Four kinds, ea. 10c; doz. \$1.00; 100 for \$6.00.

## BOUVARDIA

**ALFRED NEUNER**.—This magnificent, showy plant is the ideal Bouvardia. It is a strong grower, making charming shaped plants, producing great clusters of most beautiful waxy



ALFRED NEUNER BOUVARDIA

## ARTEMESIA

**STELLERIANA**.—Sometimes called Old Woman. Also known by some as Dusty Miller. Fine for borders or bedding on account of clear white foliage. Each 10c; doz. 75c.



GIANT WHITE ANTIRRHINUM

## ANTIRRHINUM

**GIANT WHITE**.—An especially fine variety of the Giant Snapdragon. Perpetual bloomer, producing dozens of long spikes of beautiful pure white flowers. Its blooms will last two weeks and because of their great beauty are grown in cities for sale as cut flowers. Each 10c; doz. \$1.00.

**GIANT YELLOW**.—Like white, but color is pure lemon yellow. Each 10c; doz. \$1.00.

**KILLARNEY PINK**.—The peculiar pink shade seen in the Killarney rose. Each 15c; doz. \$1.50.

**GIANT RED**.—Bright, brilliant flower; offered special to complete collection. Each 10c; doz. \$1.00.

**ONE PLANT EACH OF THE FOUR COLORS IN ANTIRRHINUM, POSTPAID FOR 35c.**

## ANTHERICUM

**VITATUM VARIEGATUM**.—An ornamental grass-like plant for vases or borders. Leaves about an inch wide, bright green, edged white. Each 10c; doz. 75c.

## ARTILLERY PLANT

A neat little plant resembling some ferns. Graceful habit makes it desirable for baskets and vases. Each 10c.

Note the Special Offers, Page 108.



## BEGONIAS

Begonias are greatly prized by lovers of house plants generally. The Rex types are perhaps the most magnificent of all foliage plants, while many of the flowering sorts present a most wonderful mass of blossoms; and all are beautiful.

**COUNTESS LOUISE ERDODY.**—This variety is sometimes called "Snail Begonia" on account of the peculiar formation of the leaves. The form is exceedingly odd and unique. The striking peculiarity which distinguishes it from all other begonias consists in the fact that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral-like way until in a full-grown leaf there are four of these twists lying on top of the leaf nearly 2 inches high. The leaf has a metallic luster, dark silvery in the center, shading to coppery rose toward the margin, which is broadly and evenly edged with the same brilliant. Very curious. Each 35c.

**REX.**—The Rex or King Begonia may well be called the king of foliage plants and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. There are many different varieties, presenting a great range of beautiful markings and splendid color effects. Best results in moist and shaded situations, making it the very finest plant for household decoration. We have a particularly choice stock of these, including many different kinds, and we are sure they will please. Each 20c. Large specimen plants 40c.

**MADAM De LESSEPS.**—Has very large leaves of silky texture beautifully spotted with silver. Flowers pink and white. Each 15c.

**PRESIDENT CARNOT.**—Bears large panicles of beautiful coral red flowers. Upright grower; foliage green above, purplish red underneath. Handsome leaf. Each 15c.

**PROFUSION.**—A new French variety of vigorous growth. Flowers are bright pink, produced evenly all over the plant. Each 10c.

**BEEFSTEAK.**—(Warszewici.)—Old fashioned sort with thick, round leaf; deep green above, red underneath. Always popular. Each 15c.

**ALBA PICTA.**—Leaves of a glossy green color, thickly spotted with silvery white. Flowers white. Each 15c.

**METALICA.**—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded with white. Each 10c.

**RUBRA.**—This fine variety is a constant bloomer. Heavy, waxy green leaves. Flowers rosy scarlet. Each 15c.

**VERNON.**—Of unusual value for bedding, as it will stand the hot summer sun. Flowers of pink, blush and brilliant red, foliage sometimes margined with bronze purple. Each 10c; dozen 90c.



VERNON BEGONIA



THURSTONII BEGONIA

**THURSTONII.**—A stately growing variety with handsome glossy leaves. Remarkably fine foliage, the under side of the leaves being rich purplish red, with prominent veinings. Upper side bronzy green, shaded crimson and olive and a metallic luster over all. Flowers rosy white, in clusters. Each 15c.

**FUCHSIOIDES COCCINEA.**—Bears a multitude of bright scarlet flowers. A fine plant of good habit and robust growth. Each 15c.

**HAAGEANA.**—Flowers rosy pink, bright and attractive. Plant tall. Shrubby with hairs on stems and leaves. Each 15c.

**McBETHII.**—Foliage fine, fern-like. Panicles of pure white flowers produced in the greatest profusion. It is a most persistent bloomer. Each 10c.

**SANDERSONII.**—A variety growing in compact, bushy form, with deep, glossy green leaves and scarlet flowers in drooping clusters. Each 15c.

**MINIATA.**—A beautiful variety of upright bushy style of growth; flower bright scarlet. They are very free flowering. Each 10c.

**NITIDA.**—White flowers, delicately suffused rose, produced in good sized clusters of large flowers. Each 10c.

**ARGENTEA GUTTATA.**—Has purple bronze leaves with silvery markings. The flowers are white. A very vigorous, strong growing variety of the easiest culture and always satisfactory. Is an old, well known variety but still popular. Each 10c.

REX BEGONIA

### Beautiful Begonia Collection

One Rex, one Alba Picta, one Argentea Guttata, one McBethii, one Thurstonii, one Miniata, one Madam DeLesseps; seven fine plants covering nearly all the distinct types of Begonias and offering a wide range of beauty for only 75c, post-paid.

### TUBEROUS BEGONIAS

**SINGLE TUBEROUS ROOTED.**—Giant flowering tuberous rooted begonia which has been brought to wonderful perfection. Flowers sometimes grow 6 in. in diameter, borne upright on stiff stems and of richest colors, embracing every shade—white, pink, scarlet, crimson and yellow. Each 10c, doz. 75c.

**DOUBLE TUBEROUS ROOTED.**—Shows the same shades and markings as the single flowered tuberous sorts. A few doubles and singles intermingled and showing a mixture of colors, will make a beautiful summer bed of bright flowers. Bulbs each 10c, doz. \$1.00.



ARGENTEA GUTTATA BEGONIA



**BOUGAINVILLEA**

**SANDERIANA.**—This beautiful flowering plant is very popular. It is of strong and rapid growth and the brilliant, rosy crimson blossoms are produced from early in March until midsummer, in fact, a plant will frequently cover the greater part of the year. Altogether, it is a most desirable subject for the conservatory or window garden. Each 15c.

**W. K. HARRIS.**—This is very similar in manner of growth to the above, with additional beauty of variegated foliage. Each 15c.

**BROWALLIA**

**MAMMOTH.**—The most beautiful of all the Browallias. Plants grow only about a foot high, forming dense little bushes, covered with an abundance of most delightful sky blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Each 15c, dozen \$1.25.

**BRYOPHYLLUM**

A most curious plant. Leaves thick and heavy and when cut and placed in moist soil little plants start from notches in them and make strong plants in very short time. Flowers look like long, green, red striped pods, through which breaks a pointed tube of dull red shade. Each 10c.

**CAREX**

**JAPONICA VARIEGATA.**—An ornamental Japanese grass which is extremely useful as a basket plant; of easy growth, standing the heated rooms with impunity, and hardy if placed out in the garden. Leaves striped with white. Each 15c.

**CENTAUREA**

**GYMNOCARPA.**—(Dusty Miller.)—A dwarf, silvery foliaged plant used largely for ribbon beds or borders. Each 10c; doz. 75c.

**CACTUS**

**NIGHT BLOOMING CEREUS.**—This gorgeous cactus bears abundant pure white blossoms measuring twelve inches across. A plant loaded with these flowers is a sight never to be forgotten. Blooms at night and is very fragrant. Better order one and call your neighbors in to see it bloom. This is the true round stemmed variety and not the common flat leaved sort. Each 15c, large 35c.

**CHRISTMAS CACTUS.**—*Epiphillum.*—Also known as Lobster Cactus. Stems branching and hanging in bunches. Flowers bright red; blooms freely. Each 15c.

**COCOLOBA**

An upright growing plant with beautiful foliage and curious flat, jointed stems. Each 10c.

**CYCLAMEN**

**GIANT FLOWERED.**—Most beautiful and decorative of all pot plants, for winter and spring blooming. Foliage broad, massive and graceful, of dark green, beautifully variegated with silver and rose. The immense, fairy-like flowers are carried on long stems and produced in profusion for several months; quite fragrant. Assorted colors. Each 15c, extra large size 25c.

**GRAPE MYRTLE**

A very pretty shrub which is hardy in the South but is usually grown in large pots or tubs in this latitude so that it can be taken into a cellar in the winter. Produces a profusion of delicate soft pink flowers. Each 15c, large 30c.

**CHRISTMAS PEPPER**

Surprisingly pretty house plant. A round, compact bush 12 to 15 in. in height with dark olive green leaves and covered with curious little heart-shaped fruits of bright colors—purple, white, yellow, orange and red on the same bush. Fruits are edible as the small common garden peppers. Each 15c.

**CROWN OF THORNS**

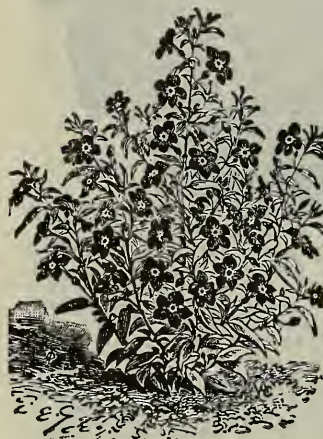
**EUPHORBIA.**—Very curious and remarkable window plant. Strong-growing plant that can be trained over any desired form. Bright scarlet flowers. An object of rare and striking beauty. Easily grown. It grows wild in Judea, and it is said that it was from this plant that the crown of thorns was made which was worn by our Savior, and it is therefore of special interest. Each 20 cents.

I received the plants in fine shape for which I am very thankful and appreciate your kindness very much.—Mrs. H. A. Remanger, Halley, Oregon.

Received the plants last night all in fine order. I am more than pleased with them and thank you for the extra ones.  
Mrs. C. J. Bates, Hastings, N. Y.



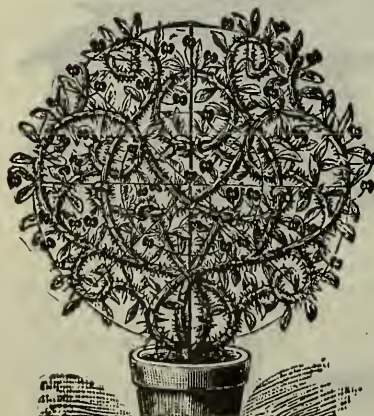
BRYOPHYLLUM.



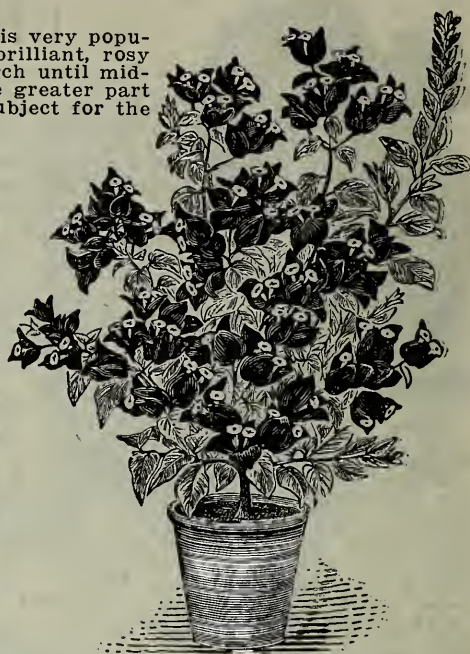
MAMMOTH BROWALLIA.



CYCLAMEN.



CROWN OF THORNS.



BOUGAINVILLEA.



NIGHT BLOOMING CEREUS.



CHRISTMAS PEPPER



# CARNATIONS

Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, combined with its various colors, leaves little to be desired. They are easily grown and bloom freely.

**DOROTHY GORDON.**—This is of the Rose Pink Enchantress type, but is a more even shade of pink, and is the most vigorous of the Enchantress class. Each 15c.

**ENCHANTRESS.**—A charming variety of immense size and delightful blush pink color. The original of the popular Enchantress type of carnation, which is the favorite with all florists. Each 15c.

**GLORIOSO.**—One of the best of the variegated carnations. Color white, with bright stripes of deep pink. Blossoms large; plant of strong, vigorous growth and a desirable variety. Ea. 15c, doz. \$1.50.

**HARLOWARDEN.**—A bright, dazzling crimson flower; a very free bloomer, bearing flowers on long stems, making it very desirable as a cut flower. Very popular with florists and a splendid variety for the amateur. Each 15c.

**LADY BOUNTIFUL.**—Large, nicely filled flowers of purest white. Not only good for large sized blooms when given special care, but valuable for garden planting and pot culture. Very sweetly scented with that delightful old-fashioned clove fragrance lacking in many of the newer carnations. Each 15c; doz. \$1.25.

**MRS. THOMAS W. LAWSON.**—The immense pink variety for which Mr. Lawson paid \$30,000.00, the highest price ever paid for a plant novelty in this country. Flowers 3½ inches in diameter; color beautiful deep pink. Each 10c.

**MRS. C. W. WARD.**—This is a beautiful pink shade, somewhat lighter than Mrs. Lawson, but is of better growth, more vigorous and thrifty than that popular variety. Each 15c.

**O. P. BASSETT.**—A bright red flower of very large size and continues in flower for several months. Easy to grow. It has won many prizes at various flower shows and has reached an immense popularity since its introduction. Ea. 15c.

**PROSPERITY.**—One of the largest carnations of any color ever offered. Flower four inches across, with a delightful clove fragrance. Color is a pure white, overlaid with shadings of soft pink. Each 15c.



**SUNBEAM  
CARNATION  
COLLECTION**

ENCHANTRESS

Our Sunbeam Carnation Collection is our special floral offer for this season and the varieties in this collection are selected for this offer because of extra quality. The collection is made up of six choice varieties of different colors:

**Sunbeam.**—Golden yellow, slightly striped crimson.

**Ruby.**—Bright ruby red.

**Windsor.**—A very pure light pink.

**Prosperity.**—White, overlaid pink.

**Perfection.**—Large pure white.

**Victory.**—Finest scarlet.

One each of these varieties postpaid for only 60c.



**ENCHANTRESS  
CARNATION  
COLLECTION**

Five extra large flowering sorts of different colors:  
**Enchantress.**—Pink.  
**White Enchantress.**  
**Rose Pink Enchantress.**  
**Harlowarden.**—Crimson.  
**O.P. Bassett.**—Bright red.  
One each of above 50c.

ROSE PINK ENCHANTRESS

**PRINCE CHARMING.**—A beautiful shade of pink, with a satiny finish that makes it a dainty and distinct blossom. Very early, free flowering and rugged growth. Each 15c, dozen \$1.50.

**ROSE PINK ENCHANTRESS.**—This elegant new variety, which is a sport from Enchantress, has created a great furore among florists and has captured the best prizes at flower shows. It is of extra large size and of beautiful rose color. Each 15c.

**RUBY.**—One of the richest, darkest crimson varieties in existence and everyone should have it as a contrast to other sorts. A free bloomer, decidedly handsome. Each 15c, doz. \$1.50.

**SCARLET GLOW.**—A very beautiful carnation, intensely brilliant red, of fine form and substance, fragrant and lasting. Preferred among red carnations for its brightness. Each 15c; doz. \$1.50.

**SUNBEAM.**—We consider this elegant new variety the best yellow flowered sort ever sent out. It is nearly pure yellow, being faintly striped with red. Flowers large, very double and produced abundantly. Ea. 15c, doz. \$1.50.

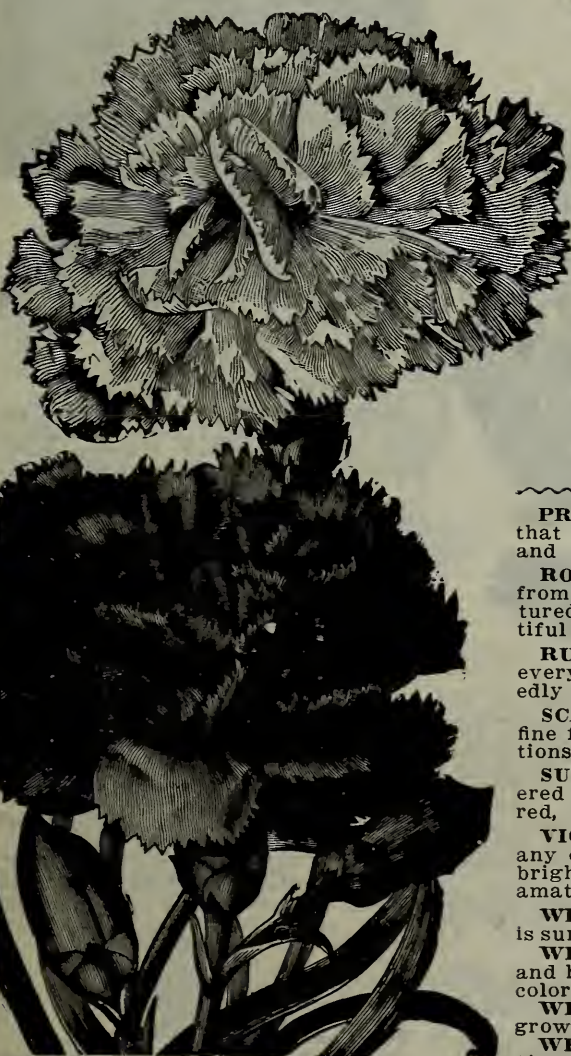
**VICTORY.**—Many carnation growers say it is the finest scarlet color of any carnation. Even when the flowers are aged they seem to retain their bright color. It is very easy to grow and for that reason is a favorite with amateurs. Vigorous in habit and a very free bloomer. Each 15c.

**WINDSOR.**—Clear, silvery pink. A beautiful, distinct shade of color which is sure to please. A large-flowered sort, free blooming and desirable. Each 15c.

**WHITE ENCHANTRESS.**—One of the finest white carnations. In type and habit like the original Enchantress. Flowers extra large and of purest color. Strong grower and profuse bloomer. Each 15c.

**WHITE LAWSON.**—Like the original Mrs. Lawson in size and manner of growth, but pure white. Each 15c.

**WHITE PERFECTION.**—Is pure white. Blooms three inches and over in diameter. Beautifully fringed; fragrant; exceedingly free blooming; early and continuous; vigorous; the stems are stiff. Each 15c.



WHITE ENCHANTRESS AND HARLOWARDEN



# CHRYSANTHEMUMS

These are now, and deservedly, the most fashionable of all autumn flowers. All these varieties are excellent for pot culture, and the best of their class. Attract universal attention at great flower shows on account of large size, exceptionally fine shape, and handsome colors. Their large size is of course especially noticeable when grown as a single stem and only one flower is allowed to develop on each plant.

## Tri-color Chrysanthemum Collection

**Extra Early Blooms of Extra Large Size.**

**EARLY SNOW.**—The earliest of the large pure white sorts. Each 15c.

**GOLDEN GLOW.**—The earliest of all. Described below on this page. Each 15c.

**GLORIA.**—A superb extra early clear pink. The earliest pink. Each 15c.

**ONE EACH OF THE ABOVE THREE EARLIEST KINDS — BLOOM BEFORE FROST — POSTPAID, 35c.**

**GOLDEN WEDDING.**—An old standard sort. Flowers of deep golden yellow, 10 to 12 in. across, petals long and broad. Each 10c.

**SILVER WEDDING.**—Of same type as above, with pure white flowers. A popular standard sort and fit companion for the Golden Wedding. Each 10c.

**YELLOW EATON.**—An immense flower of a bright golden yellow color. One of the finest varieties of this color. Each 15c.

**ROBERT HALLADAY.**—One of the most popular of yellow sorts, because of early bloom and unique flower. Strong, vigorous plant with bloom of large size. Each 15c.



ROBERT HALLIDAY

**DR. ENGUEHARD.**—A magnificent new variety of very large size and solid appearance. It is a true bright pink, one of the largest and best ever introduced; is handsomely incurved and very pleasing in appearance. Blooms early in November and makes a splendid pot plant with stiff stem and healthy foliage. Each 15c.

**MRS. BUCKBEE.**—Fine, large and pure white; incurving with outer petals reflexed. Sure to give satisfaction. Each 15c.

**MARY ANN POCKET.**—A dwarf bushy grower, making a fine pot plant. Color a beautiful Indian red on opening, with a bronze reverse. As the flower ages it gradually incurves until it becomes a ball of bronze. Each 15c.

**IVORY.**—This fine old ivory white variety is still popular. Is the equal of the newer sorts and is a very fine sort for the amateur. Each 10c.

**TIMOTHY EATON.**—A globular Japanese incurved variety of perfect form and growth. Color pure white when fully developed. A prize winner at all shows last fall. Each 15c.

**PERCY PLUMRIDGE.**—Buttercup yellow. A Japanese incurved variety with bright, shining color, attracting special attention and winning prizes at leading shows. Each 15c.

**Mlle. C. TOUSETT.**—A glistening white sometimes with pearl tints. Petals very broad, incurved. A variety sure to give results to the amateur. Each 10c.

**A. J. BALFOUR.**—A grand Japanese variety, one of the finest bright dazzling rose pink; nothing to touch it in color. Each 15c.

**PRESIDENT ROOSEVELT.**—Is of unique color. Ground color is pure white tinged pink in center and on end of each petal; at a short distance appears light pink. Each 15c.

**JOHN SCHRIMPTON.**—A rich velvety crimson. One of the finest red chrysanthemums. Splendid form and habit. Each 15c.



MARY ANN POCKET



GLORIA

**GOLDEN GLOW.**—The earliest of the mammoth yellow flowered sorts. Easily grown and very desirable for the amateur. Offered specially in Tri-color Collection, top of page. Each 15c.

**MONOGRAM.**—A mammoth flower often 7 inches in diameter. This is one of the leading pink varieties, popular because it has real merit. Blooms compact, of great substance and clear color. Each 15c.

**CRIMSON TANGLE.**—A beautiful red flower with narrow petals, curled and twisted in a lovely manner. A fine variety. Each 15c.

**POLLY ROSE.**—One of the very best early white varieties; a great favorite with florists. Blooms in midsummer. Each 15c.

**HARRISON DICK.**—Without question the finest red and gold; makes a splendid pot plant. Each 15c.

## SUPREME CHRYSANTHEMUM COLLECTION

Our superb offer of the finest large Chrysanthemums selected from the entire list as the choicest for home blooming.

**SUPREME.**—A mammoth flowered variety, bright shining pink in color, strong and vigorous in growth. Very early and fine for a pot plant. Each 15c; 3 for 40c.

**MATCHLESS.**—Flowers of Japanese reflexed form and beautiful Indian red in color. A magnificent variety of fine habit and sturdy growth. Each 20c; 3 for 50c.

**WHITE PLUME.**—A beautiful clear white "Ostrich Plume" chrysanthemum. Grows strong and blooms freely. Each 20c; 3 for 50c.

**COL. APPLETON.**—If you only have one yellow "mum," let it be Appleton. It is a perfect model. Dwarf, stiff stemmed, elegant in foliage, enormous in bloom, finely incurved and golden yellow. Perfectly healthy. Each 15c.

One plant each of the above four Supreme Chrysanthemums, only 50c.



LOUIS BOEHMER

## OSTRICH PLUME SET

**WHITE SWAN.**—This is an exquisitely beautiful variety with grand pure white flowers of globular form; petals broad and lasting and thickly covered with fine downy hairs so much admired. Strong and vigorous plant. Each 15c.

**LEO CADIE.**—The best yellow Ostrich Plume. A splendid deep golden color and by many named as finest of its class. Each 15c.

**LOUIS BOEHMER.**—Like above, but of a deep pink color; fine. Each 15c. One each of the three varieties Ostrich Plume for only 30c.

## SINGLE CHRYSANTHEMUMS

**ARTHUR HONE,** canary yellow; **CECIL DENYER,** milk white; **LADY-SMITH,** pink; **GOLDEN STAR,** yellow; **WYNDHAM,** pure white.

Any of these 10c each; or will mail the entire five for 40c.

## POMPON CHRYSANTHEMUMS

These small 'mums are popular again; give showers of bloom after most other flowers are gone.

**NETO.**—Delicate pink.  
**ENO.**—Golden yellow.  
**BABY.**—Smallest yellow.  
**PANAMA.**—Dark red.  
**LULU.**—Fine white.

Any of the above each 10c; per doz. 75c. One each of five named for 40c.



# COLEUS

Whoever has been in our large city parks will never forget the ornamental beds, curving and quaint designs and mingling arabesques of all colors—which look like varicolored rugs spread at short intervals on the smooth lawn. These are formed of Coleus. The following include the very best varieties.

**PRICES.**—All of the varieties of coleus named below each 10c; doz. 75c. Mixed varieties suitable for bedding, unnamed, 60c per dozen; \$4.00 per 100, postpaid.

**ADMIRAL DEWEY.**—A better bedder and a brighter color than *Verschaffeltii*; color a bright crimson, edged maroon.

**ANNA PFISTER.**—Pointed leaves with deep scalloped edges. Color bright golden yellow intermingled with green and crimson. Of dwarf and compact but spreading habit.

**BECKWITH'S GEM.**—A new sort of striking appearance. The large leaves have fine scalloped edges. It shows four shades of color, center maroon, bordered red; edge green with point of yellow.

**BIZARRE.**—A striking variety, with leaf center of bright crimson and edged green and gold.

**CHAMELEON.**—Combining numerous shades of color in the leaf in such way as to form a specimen of great beauty.

**CHICAGO BEDDER.**—Bright red. Leaves slightly serrated. It is a very handsome variety.

**CRIMSON BEDDER.**—Purplish crimson.

**FIRE CREST.**—Bright crimson, with slight golden yellow edge, blotch of deep bronze in center. Splendid.

**GOLDEN BEDDER.**—Color yellow. This is the best yellow coleus for bedding; deep gold in the sun.

**JAMES BRADSHAW.**—A fine, showy variety with striped leaf showing colors of crimson and yellow.

**JOHN PFISTER.**—Like Anna Pfister in growth but bright crimson color; edged with gold.

**MRS. F. SANDER.**—Large, creamy white center, bordered with green; blotched crimson and purple; fine for pots.

**PERFECTION.**—Bright crimson with yellow border.

**PROGRESS.**—Beautifully mottled red, green and bronze. A charming combination of colors.

**MRS. JOHN BOEHMER.**—Rich maroon bordered with golden band. Large pointed leaf.

**SENSATION.**—Bears larger leaf than most. Color crimson maroon with light red center.

**SUNSET.**—Center of leaf brownish purple shading to crimson; edge yellow.

**TRAILING BEAUTY.**—Trailing habit. Serrated leaves of fiery crimson, zoned deep maroon and edged green.

**VERSCHAFFELTII.**—The oldest, still one of the best; rich, velvety crimson.

## CARPET COLEUS BED

Fifty choice plants selected by us in varieties to produce a beautiful bed of colors, prepaid only \$2.00.



Farfugium Grande.



GREVILLEA OR SILK OAK



## CUPHEA

**PLATYCENTRA.**—(Cigar Plant.)—The old-fashioned cigar plant with narrow, tubular flowers of scarlet tipped with purple. Popular because always in bloom; bright and attractive. Each 10c.

## CYPERUS

**UMBRELLA PLANT.**—Listed and described by us with aquatic plants illustrated on page 130. It is very successfully grown as a pot plant, but requires plenty of water. Each 10c, large 25c.

## DRACENA

**INDIVISA.**—(Fountain Plant.)—Quite generally listed among palms. It is a decorative plant about 2 feet high, with slender, drooping green leaves, long and narrow. Each 15c, large 25c.

## DOUBLE DAISY

Very double pure white and pink flowers. Blooms freely and makes a fine plant for beds alone or with pansies. Ea. 10c, doz. 60c.

## ECHEVERIA

A little, succulent plant, commonly called "Old Hen and Chickens." Used in parks and cemeteries for ribbon beds and borders.

## EUCHARIS

**AMAZONICA.**—A splendid plant for indoor blooming. Sends up stalks bearing several pure white, star-shaped flowers, delightfully fragrant and often 4 inches across. Fine for cutting. Each 30c.

## EUONYMUS

**RADICANS VARIEGATA.**—A nice upright grower which may be used to cover walls or as a climber. Foliage green, edged white. Each 15c.

## ELECTRIC LIGHT PLANT

A very showy plant, belonging to the Cleome family, which blooms constantly from July until killing frosts. Desirable either for specimen plants or bedding; four to six feet high. Each 10c; doz. 75c.

## FARFUGIUM

**GRANDE.**—(Leopard Plant.)—A beautiful ornamental foliage plant for planting in open border, or in shaded position; leaves 4 to 8 inches in diameter, of thick, leathery texture, dark green with bright yellow spots. Each 15c.

## FEVERFEW

**IDEAL.**—Originated on our place and is far superior to the older sorts. It is a vigorous, strong-growing plant bearing large clusters of unusually large flowers, which are pure snowy white without any yellow shading or center. Fine for bedding or cemeteries, producing a succession of bloom. Ea. 10c, doz. 75c.

## FORGET-ME-NOT

Everyone loves the charming little Forget-Me-Not and it seems strange that it is not more often seen in our gardens. They are easily grown and will bloom freely and thrive year after year. Each 10c, doz. 75c.

## GREVILLEA

**SILK OAK.**—One of the quickest growing of ornamental house plants. Easy to manage, grows rapidly and is pretty in all stages of growth. With its long, drooping, silky foliage, it reminds one of a palm or fern. Young growths are light bronze color, the tips covered with soft down resembling raw silk. Ea. 15c.

## GENISTA

**SHOWER OF GOLD.**—A most desirable plant. The drooping branches are covered with delicate sage-green foliage and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 10c.



ELECTRIC LIGHT PLANT

MAKE A FLORAL RUG ON THE LAWN BY PLANTING VARIED COLEUS AND TRIMMING AS THEY GROW



# FERNS

**FLUFFY RUFFLES.**—(Superbissima.)—A new upright growing variety, darker and richer in color than any other fern in our list. Fronds are as finely cut as the Whitmani or Elegantissima varieties, and exceeds either of these sorts in robust, hardy growth. The vigor, habit and color of this fern are so far superior to ordinary sorts that it will delight every lover of fine ferns. Each 25c.

**BOSTON FERN.**—(Improved Sword Fern.)—This is a wonderfully healthy, rapid growing and graceful house plant which has been in great demand everywhere, and many people buy it in preference to the finest palms or rubber plants. Thrive in all rooms, gas or furnace heat does not seem to injure it. It is one of the most beautiful and useful of house plants, being of easy culture, and its sword-like fronds, on large specimens, attain the length of 5 to 6 feet, produced in bewildering mass, arching, curving and interlacing in every conceivable direction. Each 15c; large plants 25c and 50c.

**ROOSEVELT.**—An improved variety of Boston Fern, much more striking and attractive than the parent sort. It produces a greater number of fronds than the Boston, appearing more compact, bushier and handsomer. Fronds have undulating pinnae, giving them a wavy appearance not seen in any other fern. Very highly recommended by experts for its hardiness and beautiful appearance. It is our choicest recommendation of Boston Ferns for individual pot growing as an indoor decoration. Ea. 25c, large 65c.

**WHITMANI.**—Combining all the graceful pluminess and charm of Elegantissima, with additional features of shape, size and growth that give it distinction and added commercial value. Whitmani is of more dwarf growth, but equalizes matters by compactness, and a wider, stockier shape. The fronds, although even more fine-cut, are more erect and less liable to revert to the original Boston type. Each 20c; large 50c; extra fine specimens \$1.00.

**ELEGANTISSIMA.**—This is a sport from the well known Ostrich Plume fern in which the plummy peculiarity of the original form is even more distinctly developed, the side pinnae being again subdivided, making both sides of the frond equally beautiful, while at the same time the plant is of much more compact habit, growing only one-half as tall, but with fronds nearly twice as wide, making it a much more desirable plant for all purposes. They are quite rare. Each 15c; large 50c.

**BABY'S BREATH.**—(Goodeii.)—An elegant small Ostrich Plume fern. Fully equal to the best of this type in pluminess and graceful form, but far more dainty and exquisite. The bright color, feathery fronds and elegant form make it a very notable specimen in any collection. A variety of recent introduction which gives promise of great popularity. Each 20c, large 50c.

**SCHOLZELI.**—This is a new type of Ostrich Plume fern, growing compact and bushy after the manner of the Scott variety. A very fine and satisfactory sort. Each 20c.

**ASPARAGUS FERNS.**—Both the Asparagus Plumosus Nanus and Sprengeri, commonly known as Asparagus Ferns, will be found illustrated and described on page 91.

## OSTRICH PLUME FERN COLLECTION

**BABY'S BREATH.**—Dainty Ostrich Plume fern of finest habit.

**ELEGANTISSIMA.**—More delicate and finely divided than the above.

**ROOSEVELT.**—The compact, wavy type of the original Boston or Sword Fern.

**SCHOLZELI.**—The compact, wavy type of the Ostrich Plume varieties.

ONE EACH FOUR FINE OSTRICH PLUME FERNS POSTPAID TO YOUR ADDRESS FOR ONLY 50c.

## DAINTY SMALL FERNS

**JAPANESE FERN.**—(Onychium Japonicum.)—A very graceful small variety growing in similar form to the well known Asparagus Fern. Each 15c.

**MAIDEN HAIR FERN.**—(Adiantum Cuneatum.)—Very popular. The most graceful and useful of all for cut flower work. Each 15c.

**HOLLY FERN.**—(Cryptomeria Falcata.)—Rather broad, dark, glossy green foliage. Quite easily grown, very ornamental. Each 15c.

**MOSS FERN.**—(Selaginella Emilliana.)—Also called Lycopodium. Has delicate lace-like foliage. Fine for fern dishes and always beautiful. Each 15c.

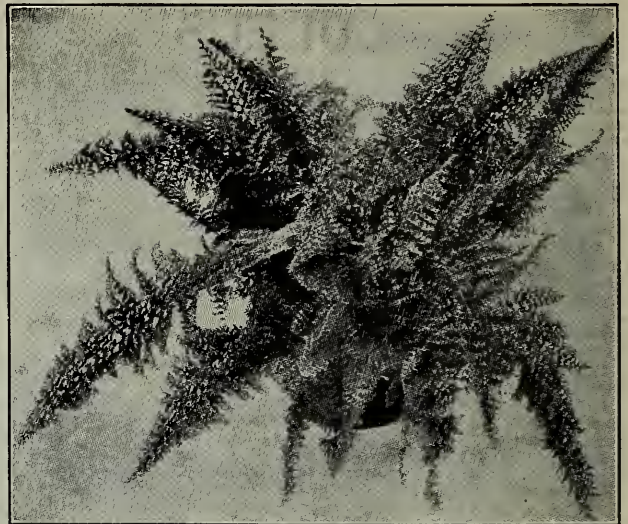
**CRESTED FERN.**—(Pteris Wimsetti.)—One of the most popular of the small ferns. Striking lanceolated foliage; upright growth. Each 10c.

**DAGGER FERN.**—(Aspidium Tsussimense.)—A miniature sword fern. Specially adapted to small ferneries or fern dishes. Each 15c.

**SILVER FERN.**—(Pteris Victorlae.)—One of the newer sorts with lovely foliage, each leaf of which has a silver variegation through the center. Each 20c.

## DAINTY FERN COLLECTION

One each of the above seven fine table ferns, a most beautiful collection, only 75c.



FLUFFY RUFFLES FERN



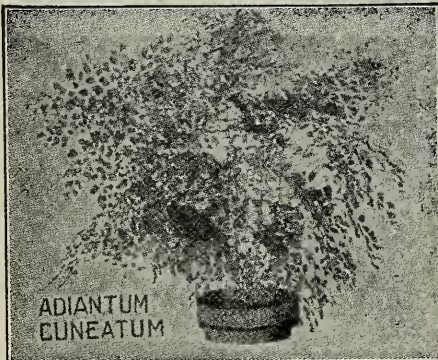
FROND OF ELEGANTISSIMA FERN



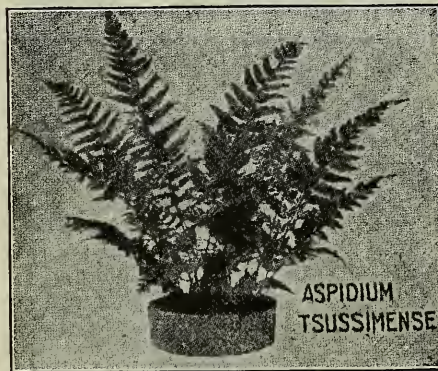
AIR PLANT

## AIR PLANT

An exceedingly beautiful green, feathery, plummy moss, prepared from dried seaweed. Has every appearance of a most delicate fern and retains its beauty and fresh appearance for an indefinite period. Is much used in small baskets and fern dishes, usually containing two to four bunches. Our stock is far superior to the grade commonly sold. Per bunch 20c; 3 bunches for 50c.



ADIANTUM CUNEATUM



ASPIDIUM TSUSSIMENSE



ONYCHIUM JAPONICUM



## FUCHSIAS

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

**ELM CITY.**—A popular variety and one of the best; tube and sepals bright coral red; large double purple corolla; blooms all year. Ea. 10c.

**MONARCH.**—This is by far the largest of the single varieties. Its immense blooms are a very dark purple. Single fuchsias are most graceful and are preferred by many to the double varieties. Each 10c.

**TRAILING QUEEN.**—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

**JUPITER.**—This giant flowered variety comes from France, where the improvement of the fuchsia is given particular attention by a number of leading florists of that country. It is really a wonderful sort, producing blooms of exceptionally large size with superb coloring that attracts and delights the eye with its glorious hues. The tube and sepals are of bright, glowing crimson, while the corolla is of very rich violet purple, very double and widely extended. Plant is strong, vigorous grower, making a handsome pot plant. Each 15c.

**SNOW QUEEN.**—The fine, large, brilliant flowered queen of fuchsias. Sepals are carmine while the double corolla is white, with faint tinge of rose, and the flowers are very large, only equalled in size by its companion flower, Jupiter. Many of the fuchsia flowers appear strong and bold from their coloring, but the Snow Queen appeals most because of its majestic flower and modest loveliness of color. Nature has thousands of shapes and colors in her floral kingdom, but in all her myriad forms she has not surpassed this lovely blossom. Each 20c.

**GUSTAV NADAUD.**—Sepals very brilliant; corolla double purple. A giant-flowered sort of unusual beauty. A strong, free grower. Each 15c.

**LITTLE PET.**—A little beauty, the plant being covered with a profusion of small pink and purple flowers. Each 15c.

**MARY.**—A great novelty. Large clusters small but very long, single, bright coral red flowers. If you like fuchsias you must have it. Each 15c.

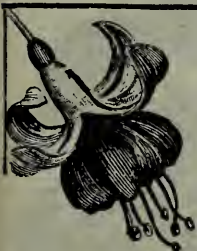
**EMPEROR.**—This is known also as the single phenomenal because of the immense size of the blooms. It is an exceptionally strong grower, and bears very large dark purple blooms. Each 15c.

**ROSE OF CASTILE.**—A lovely variety having bright rose sepals and purple corolla. Contrast is beautiful and the plant is well formed and good grower. Each 15c.

**STORM KING.**—The old standard variety with red sepals and double white corolla. The most popular type and this is the original form. Each 10c.



PHENOMENAL



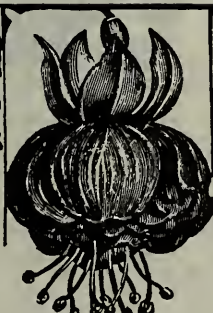
BLACK PRINCE



MONARCH



TRAILING QUEEN



JUPITER



ELM CITY



EMPEROR

SNOW QUEEN

## FIVE FANCY FUCHSIAS, 50 CENTS

Graceful, Attractive Plants with Delightfully Brilliant Blossoms  
A DAINTY ADDITION TO HOME COLLECTION

If you are a lover of flowers you should have this fuchsia collection. They are distinctive in form and coloring and add greatly to the charm of a choice collection of plants by the loveliness of both plant and flower.

**WHITE PHENOMENAL.**—The grandest double white variety in existence; should be in every home. Flowers are enormous size, sepals bright carmine, with large, pure white, double corolla. Each 15c.

**PHENOMENAL.**—Enormous flowers, a single one measuring 3 inches across; sepals bright scarlet, rich purple corolla, very double, flaked with red. Grows upright, and with strong, vigorous trunk, making a handsome plant. Each 10c.

**BLACK PRINCE.**—Of upright and robust growth and generally most satisfactory of all fuchsias for the amateur, as it seldom fails to bloom profusely and grow in good form and symmetry. We once had a plant of this variety in our greenhouse that grew a perfect shaped shrub 7 feet high and was loaded with fully 2,000 blossoms at one time. Tube and sepals bright carmine, sepals large and broad with pale green tips; large, violet pink corolla. Each 10c.

**SUNRAY.**—A lovely plant, with pretty blossoms of delicate and pleasing colors, with added attractiveness of divers colored foliage. A novelty in the fuchsia family, because common varieties are wanting in the variegated foliage which adds so much to the beauty of Sunray. The colors of the sunset, clear yellow, golden bronze, and red, are combined in the most effective way to make a pretty house plant. Flower is pink or deep rose sepals with bright carmine corolla. Each 25c.

**SPECIOSA.**—An old favorite, greatly prized for its profuse blooming qualities. Sepals of the flowers are more elongated than other sorts, and of soft, rosy pink color. Corolla is single form, carmine crimson color, making a beautiful and pleasing blossom. A well grown plant in bloom is a veritable flame of color, and the dainty flowers mingling among glossy green foliage produces a graceful and charming effect. Each 10c.

FUCHSIA COLLECTION, ONE STRONG PLANT EACH, ABOVE FIVE SORTS 50c

OUR SPECIAL OFFER ON THIS PAGE IS A GENUINE BARGAIN FOR PLANT LOVERS



# SINGLE GERANIUMS

Geraniums are the most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of new sorts every year. After careful comparison we have selected the following as the best:

**AUREOLE.**—(Mad. Bruant).—Fancy flowered sort; remarkable colors. The plant is loaded with blooms and each floret is large, center being white and beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright solferino. Fine pot plant and a constant bloomer. Each 15c.

**ELECTRIC GEM.**—A fine variety, producing very large flowers on strong trusses. Color brilliant scarlet. Each 15c.

**ALICE OF VINCENNES.**—A charming novelty which has a border of intense scarlet forming a band around the body color of rosy pink, heavily veined scarlet; center white. Each 10c.

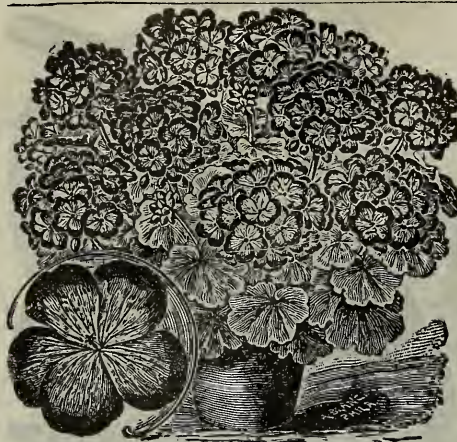
**BIRD'S EGG.**—(Abel LeFrance).—Our magnificent geranium novelty. Flowers very large, perfect form. Ground color white, with rosy dots on lower petals. Foliage is slightly zoned. Grows finely. See colored plate page 108. Each 20c.

**BON TON.**—One of the new scarlet sorts of special merit. Dwarf grower and very free flowering. Has beautiful foliage with light shading. Each 20c.

**BARIOLEGE.**—Dwarf, vigorous growing and free flowering variety. A beautiful composite flower. Color is rose, lower petals blotched crimson, the upper are blotched white. Each 20c.

**BLACK PRINCE.**—A very dark, rich, velvety crimson. The nearest black known in single geraniums. Each 10c.

**CARMEN SYLVA.**—Grandest single pure white geranium in existence. It is of vigorous and healthy growth; blooms profusely, plant being loaded with immense trusses of bloom; do not turn pink even in sunny weather. Each 15c.



AUREOLE

**GEN. LEONARD WOOD.**—One of the best of the single geraniums. Plant strong and vigorous. Flower bright carmine crimson, with white center. The general effect is very beautiful. Each 15c.

**MRS. E. G. HILL.**—A most distinct and pleasing shade of salmon with light shading at the center. Each 10c; doz. \$1.00.

**MAXIME KOVALEVSKI.**—A brilliant orange. A fine growing plant and probably the best of the single varieties for pot culture. The flowers are round, of splendid form. A novelty of great beauty. Each 20c.

**PAMELA.**—An English round-flowered sort of unusual strength and vigor. Handsome and distinct. Flowers have pure white center, shading to a distinct margin of crimson rose. Very large trusses of large round flowers are produced freely. Each 15c.

**PHOEBE.**—A dwarf, compact growing sort, extremely free flowering, seemingly every joint producing a spike of bloom. Color deep rose. Splendid. Each 15c.

**RICHMOND BEAUTY.**—A magnificent new single variety. Color crimson scarlet with large white feather in two upper petals. Each 15c.

**RADIUM.**—Most magnificent, well formed flowers, produced in enormous trusses in the greatest profusion. The color is a brilliant shade of russet orange; very effective when massed in beds; foliage large and of fine texture; habit splendid, luxuriant, branching, semi-double and robust. Certainly one of the best. Each 15c.

SOUVENIR  
DE MIRANDE

**SOUVENIR DE MIRANDE.**—Handsome and most satisfactory. Nicely formed, round florets; upper petals cream white, with distinct salmon rose border; lower petals salmon rose streaked with pure white. Free flowering; splendid blooms. Each 10c.

**TELEGRAPH.**—A splendid flower of apricot pink shaded cerise pink, with white eye. The general effect of color combination is very pleasing. Plant is very desirable in vigor and habit of growth. Each 15c.

**YVETTE PROST.**—Fine large flowers and strong trusses. Color violet rose shading to white center. A very striking and beautiful blossom. Good habit, vigorous grower, and generally satisfactory. Each 15c.



PHOEBE

SEE PAGE 108

For offer of Geraniums for  
Bedding, at Bargain Prices in  
Quantity.

## TRICOLOR GERANIUM BED

One dozen each of three shades of color, consisting of standard sorts that will stand the sun and produce continuous bloom all summer. We will send one dozen double white, one dozen double pink and one dozen double red, we to chose the varieties, but we will give you only such as will prove satisfactory. Planted closely, the pink in the front row, white next, and the red forming the background, you will have a gorgeous bed of flowers.

36 plants as above from 2½-inch pots, \$2.25, postpaid, or \$1.80 by express, not prepaid. The same in larger plants from 4-inch pots, by express, not prepaid, \$4.00.

## HOUSEHOLD GERANIUM COLLECTION

A selected list of choice single geraniums. One plant each of Black Prince, scarlet; Mrs. E. G. Hill, salmon; Maxime Kovalevski, brilliant orange; Carmen Sylva, pure white; Alice of Vincennes, pink; Pamela, rose; a half dozen different shades, only 60c.

## FAVORITE DOUBLE GERANIUM COLLECTION

LaFavorite, Beauty Poitevin, Double Dryden, S. A. Nutt, Apple Blossom, Trego and Mrs. F. Perkins.

One each of the above, giving a range of colors in the standard sorts which are universal favorites, for 60c, postpaid. This collection from 2½-inch pots, large plants, by express, not prepaid, for only 80c.



BIRD'S EGG

OUR GERANIUMS ARE INEXPENSIVE, AND OUR LIST IS THE CREAM OF KNOWN VARIETIES



# DOUBLE GERANIUMS

**APPLE BLOSSOM.**—(Mrs. Lawrence.)—Shining salmon, tinted white; free flowering; dwarf, compact habit. Extra fine as pot plant. Each 20c.

**ALPHONSE RICARD.**—Bright vermilion scarlet; trusses strong and upright. Free bloomer and of special merit for both pots and bedding. Each 10c.

**BEAUTY POITEVIN.**—A great favorite and conceded of the best semi-double bedding sorts. Color salmon pink, shading to clear salmon in center. Each 15c.

**BERTHA DE PRESLEY.**—A beautiful light pink. Stands sun without fading. Will be sure to give satisfaction, either for beds or in pots. Each 15c.

**BLUE BEAUTY.**—A new color; a beautiful violet or purplish crimson with a blue sheen over the surface. Three upper petals have a spot of vermilion near the base. Each 15c.

**BRIGHT SPOT.**—A bright, dazzling scarlet. One of our special four offered on page 107. Each 20c, doz. \$1.75.

**DAGATA.**—One of the finest new pink varieties of Bruanti. The plants are dwarf, robust growers and compact. Magnificent large flowers of mauve pink on immense trusses. Each 15c.

**DOUBLE NEW LIFE.**—The outer petals are a brilliant red. In the center of these appears another semi-double floret, pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. This was sent out in England at a fabulous price. Each 15c; doz. \$1.50.

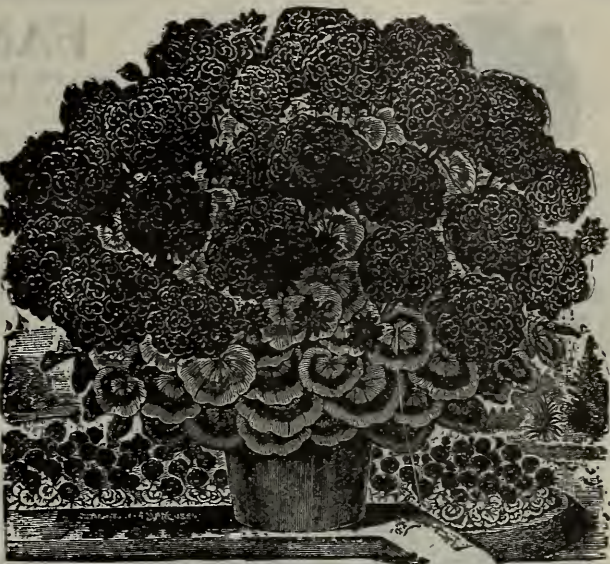
**DAYBREAK.**—One of the finest of pink geraniums offered in our catalogue. We commend it as a bedder. Ea. 15c; doz. \$1.50.

**DR. PHILIPPE TISSIE.**—Fine white center, outer edge of petals light crimson. Striking in its beauty and admirable in growth and habit. Each 20c.

**DOUBLE DRYDEN.**—Color combination very attractive. Center coral white, shading lilac to edge of petals, which are soft, glowing crimson. Specially choice as a pot plant. Each 15c.

**FIRE DRAGON.**—A cactus flowered scarlet novelty. Has peculiar and striking flowers of salmon center shading to white. Each 20c; doz. \$2.00.

**GLORY DE FRANCE.**—A large round flowered double geranium of waxy appearance. Petals white, veined with carmine rose. Each 15c.



EL CID

**EL CID.**—This is a particularly choice sort for bedding. The flower is double, of fine form and borne on strong trusses. Color is bright scarlet, a rich and dazzling shade, and is the most popular sort with the possible exception of S. A. Nutt, though many planters prefer it to that splendid sort. Each 10c; doz. \$1.00. By express, not prepaid, 100 for \$5.00.

**IMPROVED LA FAVORITE.**—What S. A. Nutt is among dark crimsons, La Favorite is among whites; without doubt the best double white geranium ever offered. It is a strong grower and a profuse bloomer. Each 10c; doz. 85c. By express, not prepaid, 50 for \$2.75; 100 for \$5.00.

**LEOPOLD BOUVILLE.**—A bright composite flower of semi double form. Color is bright solferino red, richly shaded bright carmine and purple, with distinct white center. A good grower and profuse bloomer. Each 15c.



DOUBLE NEW LIFE

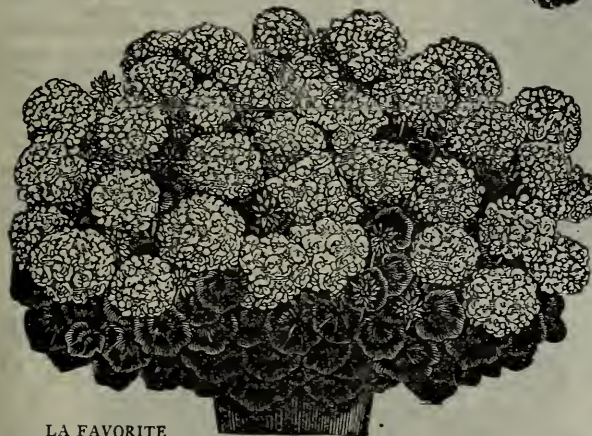
**MT. SHASTA.**—Pure white flowers, very large, semi-double; a profuse and constant bloomer. More fully described on page 107. Ea. 15c.

**MARQUISE DE CASTELLANE.**—Flowers are very large, perfect in form and borne in large trusses. The color varies from a brilliant cerise to bright cherry red, with brilliant carmine shadings. Ea. 15c.

**MRS. F. PERKINS.**—A double pink sort of unusual merit. Sturdy habit, free bloomer, and stands the summer sun without fading. A standard sort and very popular. Each 10c; doz. 85c.

**MONSIEUR EMIL DAVID.**—Is semi-double; large flowered; violet rose, upper petals are feathered white at base; flowers abundantly produced, luxuriant. Foliage is slightly zoned. Each 15c.

**MARVEL.**—A deep crimson, darker than S. A. Nutt, and counted one of the best dark red geraniums. Fine for mass



LA FAVORITE

bedding or to add the necessary dark red in mixed beds. Splendid grower and free bloomer. Each 15c.

**OLD GLORY.**—This grand novelty, introduced by us, is clear, bright rosy pink in color, with upper petals spotted pure white; truss of extra large size. One of our special four offered on page 107. Each 20c; doz. \$2.00.

**JULES VASSEUR.**—Semi-double. Is vermilion scarlet with distinct white eye. A new variety of promise. One of the best of this type. Each 15c.

**S. A. NUTT.**—The best crimson bedding variety. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. Its dense, compact growth, profuse blooming qualities and sun-proof constitution combined give it the prominence as a bedder it has attained. As a pot plant it cannot be excelled. We sell thousands for borders and large beds. Each 10c; doz. 85c. By express, not prepaid, 50 for \$2.75; 100 for \$5.00. Large plants from four-inch pots, by express, per dozen \$1.50.

**TREGO.**—This plant is a decided novelty as well as one of the strongest growing and most free flowering geraniums. It is of robust, compact habit, regular in form. The trusses are of immense size, produced in profusion and borne on stiff stems held well above the foliage. The individual florets frequently measure 2½ inches in diameter, semi-double, and of intense, brilliant, almost dazzling scarlet color. Each 15c, dozen \$1.50.



GLORY DE FRANCE

NO BEDDING PLANTS IN THE ENTIRE LIST WILL FURNISH SUCH BRIGHT FLOWERS AS GERANIUMS



## FANCY LEAVED GERANIUMS

**GRACE PAGE.**—(See colored plate, page 108.)—Identical with the old standard dark crimson S. A. Nutt geranium except in foliage, which is beautifully variegated. Nothing in geraniums can surpass the beauty of this variety with its large trusses of double crimson flowers against their variegated background. Of vigorous growth and an exceedingly profuse bloomer. Leaves are of dark green, and each bears a border of pure snowy white. Well adapted for pot culture. Each 20c, per dozen \$2.00.

**MRS. POLLOCK.**—Magnificent. Green leaf disc, overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow. Very distinct in its markings, and one of the most satisfactory of fancy geraniums. Each 15c.

**WM. LANGGUTH.**—This new silver leaved geranium is a beautiful variety. The plant is short, stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band, so that it is handsome even when not in bloom. It is, however, free flowering for a fancy foliage variety, and the flowers are double. Clusters are extra large and a bright red color, showing magnificently against the white foliage. Each 15c.

**MAD. SALLEROL.**—A very compact variety of silver leaf geranium. Fine for massing or bordering; thrifty; leaves green, edged with white. Has a peculiar manner of growth which renders it of special value for edgings or ribbon work. Each 10c, dozen 85c.

**CRYSTAL PALACE GEM.**—Yellow, with green disc; fine bedder. One of the oldest of the fancy leaved sorts, but popular because of the brightness of the foliage. Each 10c.

**MOUNTAIN OF SNOW.**—Finest of this class for ribbon lines or massing; center of leaf bright green, margin broadly marked silver white; single scarlet flowers. Each 10c.

**DISTINCTION.**—Round green leaves with clear black circle. This dark foliaged sort is fine in contrast planting among the silver leaved varieties. Each 10c.



WM. LANGGUTH GERANIUM

### SCENTED GERANIUMS

**LADY PLYMOUTH.**—A beautiful variegated variety of the Rose Geranium. Propagates slowly and the demand usually exceeds the supply. Each 20c.

**NUTMEG.**—Small leaves with nutmeg perfume.

**OAK LEAVED.**—Beautiful foliage resembling oak leaves, black center with green border.

**ROSE SCENTED.**—The broad leaf. This is the most popular of scented geraniums.

**SKELETON LEAVED.**—Leaves very finely cut, rose fragrance.

**BALM.**—Delicious balm fragrance.

**LEMON.**—A nice little plant of bushy growth with delightful lemon fragrance to the leaves.

**MRS. TAYLOR.**—A scarlet flowered rose geranium. The blooms resemble the pelargonium, but are smaller and of bright scarlet color. Blooms constantly.

**PEPPERMINT.**—A rare variety with thick "hairy" leaves and refreshing peppermint fragrance. It is one of the most popular of the scented geraniums. Each 25c.

**APPLE.**—A standard scented variety and a favorite for its strong apple fragrance. Each 15c.

Any of the above sweet scented varieties 10 cents each \$1.00 per dozen, except where noted.

### IVY LEAVED GERANIUMS

**CAESAR FRANCK.**—Double as a Crimson Rambler rose. Specialists claim this to be the best Ivy Geranium. Color soft, rich crimson scarlet, shaded rose at base of petals. Foliage clean, waxy green. Vigorous, quick growing and strong. Finest for baskets, vases, etc. Each 15c.

**COLONEL BADEN POWELL.**—The new sort of extreme beauty. Flowers very large and borne profusely. Color a lovely shade of light mauve. Each 15c.

**MRS. HAWLEY.**—Flowers semi-double, bright pink with dark blotch on upper petal. An excellent growing variety. Each 15c.

**ETINCELENT.**—Beautiful scarlet; extra large flowers. Very double and will be satisfactory. Each 15c.

**EDEN MARCHI.**—Handsome of the ivy leaved sorts. Has enormous sized flowers; color beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. It is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 15c.

**CHARLES TURNER.**—Very double, and is without doubt one of the handsomest ivy geraniums ever introduced; florets two and a half inches across. The color is a deep, bright pink, approaching scarlet in color. Each 15c.

**JEAN D'ARC.**—Very large and finest white in existence. Perfectly double, white as snow; flowers literally cover the plant when in full bloom. Each 10c.

**P. CROZY.**—A hybrid between the Zonales and Ivies. Color soft, bright scarlet with veinings of maroon. Each 10c.

**CORDEN'S GLORY.**—Fine, bright scarlet; large, bold, full flowers; constant bloomers; one of the very best. Each 10c.

**ALLIANCE.**—A beautiful novelty. A hybrid between an ivy and a zonal geranium. Flowers large, semi-double and produce fine trusses. Exquisite shade of very pale pink turning to pink in some. Upper petals feathered and blotched rich crimson maroon. Ea. 15c.



GRACE PAGE GERANIUM

**HAPPY THOUGHT.**—A tricolored geranium with dark green foliage; creamy white center with dark band about the light zone; flowers bright scarlet. Each 10c.

**GOLDEN CIRCLE.**—Green foliage; golden yellow edging; flower scarlet. Each 10c.

**MRS. PARKER.**—A grand new silver leaved variety with double pink flowers. A unique novelty. It is a good bloomer and foliage is fine combination in the markings of green, bronze and white. Each 20c.

**HAPPY THOUGHT COLLECTION.**—Happy Thought, Golden Circle, Mad. Sallerol, Crystal Palace Gem, Mountain of Snow, Distinction. Six of the finest fancy leaved sorts in splendid contrast for only 50c, postpaid.

**FRAGRANT COLLECTION.**—Nutmeg, Rose, Balm, Apple, Lemon and Skeleton. A half dozen of the sweetest of the scented varieties for only 50c, postpaid.

**IVY LEAF COLLECTION.**—Caesar Franck, Jean DeArc, Chas. Turner, Eden Marchi. One each of the four choicest ivy leaf varieties for only 45c, postpaid.



IVY GERANIUM—EDEN MARCHI. (One-half natural size.)

MANY OF THE MOST POPULAR VARIETIES OF GERANIUMS WILL BE FOUND ON THIS PAGE



## GRAMINEUS

**VARIEGATED.**—A beautiful low-growing grass, handsomely variegated colors. Fine for edging and masses. Nothing better for baskets or vases. Each 15c.

## HELIOTROPE

These are universal favorites on account of their delightful fragrance. They bloom equally well as bedding plants in summer, or as pot plants in the house during the winter.

**BUISSON FLEURI.**—Semi-dwarf. Very large trusses of large flowers. Color violet; star-shaped eye. Each 10c.

**PRINCE CHARMANT.**—Beautiful foliage and large trusses of mauve blue flowers. A novelty of merit. Each 15c.

**LORD ROBERTS.**—Very large trusses of blue flowers. Each 10c.

**JERSEY BEAUTY.**—Very large trusses of blue flowers. Ea. 10c.

**CZAR.**—A new giant flowering, very dark colored sort, almost black. Each 15c.

**SNOW WREATH.**—Superb large cluster of deliciously fragrant flowers, nearly white. Each 15c.

## HELIOTROPE COLLECTION

The fragrance of these lovely blossoms will perfume the whole house.

One each of the six varieties named above for 60c.

## HIBISCUS

**GRANDIFLORA.**—A large, shrub-like, woody plant bearing immense single red flowers. Each 15c.

**PEACHBLOW.**—One of the finest free flowering plants for either pot culture or the open ground. Flowers very large, double and of a charming rich, clear pink, with deep crimson center. Does not always appear double when first in bloom, but as the plant ages it takes on the double form. Each 15c.



PEACHBLOW HIBISCUS

## RECOMMENDATIONS

I received the plants by mail today. They are very fine. I thank you so very much for the interest you have taken in all of my orders. Mrs. W. W. Luce Midway, Wyo.

The fern you sent me is very fine for 25c. The plants were packed so nice I had no trouble with them. I never lose a plant when I get them. Mrs. Frank Hinds, Salem, Ind.

I received the plants all right and thank you very much for the extras. They are growing nicely. Mrs. Isaac Grayem, Holyoke, Colorado.

In packing plants to mail we shake dirt off the roots, but allow it to remain if plants go by express at customer's expense, unless you instruct us to the contrary.

## IRISH SHAMROCK

The true Irish Shamrock, the poetic plant of Irish history. Resembles clover in shape of leaf. Does well when grown either in the open ground or in pots, and its neat foliage is quite attractive. Each 10c.



ICE PLANT

## HYDRANGEA PANICULATA GRANDIFLORA

## ICE PLANT

Interesting from being covered with ice-like crystals. Flowers are very pretty. Each 10c.

## IMPATIENS

**SULTANA.**—Beautiful plant producing waxy, bright flowers of rosy scarlet almost continuously, winter and summer; suitable for either pot or garden culture. Of compact growth; almost a perpetual bloomer. Each 10c.

**HOLSTIL.**—Strong, robust growing sort with brilliant vermilion colored blossoms. One of the best. Ea. 15c.

**PINK BEAUTY.**—Well named, the color being a most beautiful shade of clear pink. Each 15c.

**WHITE LADY.**—Fine pure white; completes list and adds the necessary shade in desirable contrast. Ea. 15c.

**IMPATIENS COLLECTION.**—One plant of each of the above four fine varieties for only 40c, postpaid.

## JERUSALEM CHERRY

An old-fashioned plant grown for its showy, berry-like fruits which remain on the plant for a long time. Used generally in window gardening but will grow quite large if given room. Each 15c.



PRINCE CHARMANT HELIOTROPE

## HYDRANGEA

**OTAKSA.**—A Japanese variety used extensively for Easter decorations. Produce enormous trusses of intense pink flowers. Make excellent specimen plants for the porch or lawn. Blooms the entire season. Each 15c, large 50c and 75c.

**THOMAS HOGG.**—Its immense trusses of flowers are at first slightly tinged with green, changing to the purest white. Each 15c.

**ARBORESCENS.**—The new snowball hydrangea. See description with hardy shrubs on page 122. Promises to surpass the Paniculata in popularity as it becomes better known. Each 15c. Large 40c.

**PANICULATA GRANDIFLORA.**—See description on page 122. The most popular of all shrubs for permanent planting. This variety and the Arborescens are largely used for hedges, mass planting and for specimen plants on lawns. They are easily trained to a desired form. Each 10. Large 30c.



IMPATIENS SULTANA





NIGHT BLOOMING JASMINE

**LOBELIA**

**SINGLE BLUE.**—These are handsome trailing plants and are profuse bloomers; elegant for baskets, vases and borders. Ea. 10c; doz. 75c.

**KATHLEEN MALLARD.**—A most beautiful variety of Lobelia because of the double form of the flower and its freedom of bloom. Blue flowers are comparatively few, but splendid color effect will be secured if this Lobelia is used as the color is bright and strong. Each 15c; doz. \$1.25.

*I have received the last items on my order for seeds and plants, all in excellent condition and healthy in appearance. I thank you for promptness and liberality in sending the extra plants. Frances W. Kelly, New Haven, Connecticut.*

**LEMON VERBENA**

A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. Very popular with the ladies for storing with handkerchiefs or other apparel to which it imparts in some measure its delicate fragrance. A splendid plant for hedges and as a plant for the garden or for pots it is equally valuable, its fine sprays of foliage and delicious fragrance making it desirable for bouquets, etc. In good rich soil each plant will cover a space of three to four feet in diameter. Each 10c; doz. \$1.00.

**JASMINE**

**MAID OF ORLEANS.**—A beautiful plant of easy culture, fine grower, good bloomer, very fragrant and of elegant waxy white appearance. Each 15c.  
**NIGHT BLOOMING.**—(Cestrum Parquii.)—World famous variety, producing greenish white flowers incessantly. Strongly fragrant after dark. Ea. 15c.  
**CAPE JASMINE.**—(Gardenia Florida.)—A pretty, low growing evergreen shrub. Thick, glossy green leaves, waxy white double flowers of delicious sweetness; valued for winter flowering in house or conservatory. Each 20c.  
**GRANDIFLORUM.**—An old favorite variety and most satisfactory. Valuable for winter blooming. Flowers white, star-shape. Fragrant. Each 15c.  
**REVOLUTUM.**—A climbing variety with deep yellow single flowers and glossy foliage. A beautiful plant and readily grown. Each 15c.

One each of the five Jasmynes named above, only 50c.

**LANTANA**

We consider this one of the most satisfactory plants grown. It is the flower for everybody, both for outdoor bedding and blooming all winter in the house. It has a flower somewhat resembling the Verbena, borne on a woody, bush-shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development.

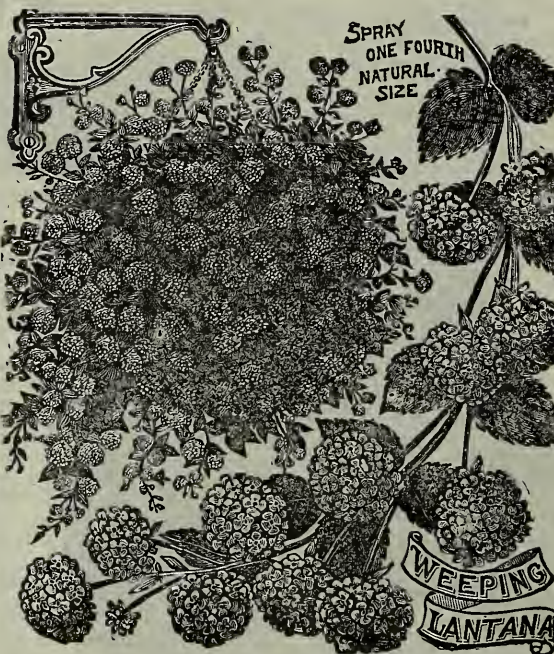
**JAVOL.**—The best, largest and freest blooming white variety. Everyone will be pleased with it. Each 15c.

**PERFECTION.**—The only Lantana having variegated foliage. Is unusually handsome. Outside rows of florets are pink with rose center; inside florets very light sulphur yellow; orange center. Blooms freely. Each 10c; doz. \$1.00.

**GOLD CUP.**—A dwarf compact grower, with very pretty lemon yellow flowers, having golden yellow center. Recommended for its fine form and masses of bloom. Each 10c.

**WEeping.**—A beautiful trailing variety, very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of lovely clear pink flowers from early summer until late in the fall. Everyone is delighted with it. Each 15c.

**RADIATION.**—Semi-dwarf. Color brilliant red with orange yellow center. Distinct and beautiful blending of color. Each 15c.



**AMIEL.**—Semi-dwarf, very compact; fine bloomer; umbel and floret fine size. Color reddish orange with yellow center. Recommended for its fine form and masses of bloom. Each 10c.

**VERSICOLOR.**—When first open flower is cream yellow with red center. Cream gradually changes to pink, but flower is fine at all times. Each 10c.

**LEO DEX.**—A fine grower. Has large round leaves and a fine flower of purple red. A most desirable variety. Each 10c.

**RADIANT LANTANA COLLECTION**

This is a collection which will please any lover of bright flowers. The perfect blossoms in fine variation are certainly beautiful.

Radiation, Javol, Amiel, Perfection and Weeping Lantanas.

One each of five fine shades of color for only 50c, postpaid.

*I am much pleased with the plants you sent. They arrived in excellent condition and if they do not live it will be my own fault. Rose Dismore which I got from you is blooming beautifully. Yours truly, Mrs. Adick Booth, Austin, Man. Canada.*

*Plants received in fine order. I thank you for your kindness and care in sending me such choice plants. They look so fresh, not even withered. I planted them and they don't look like they had been moved. Mrs. Sarah Mackinson, Topeka Kansas.*

*Received the plants in good condition and was very much pleased with them. Have planted them and am sure they will grow. Mary M. Schwartz, Reading, Penn.*

*I have received the flowers. They were in good condition. Have set them out now. Mrs. Jennie Pohler, Solon, Iowa.*

*The plants arrived this morning and I found them in good condition. E. S. Rogers, Indianapolis, Ind.*

**OTHONNA**

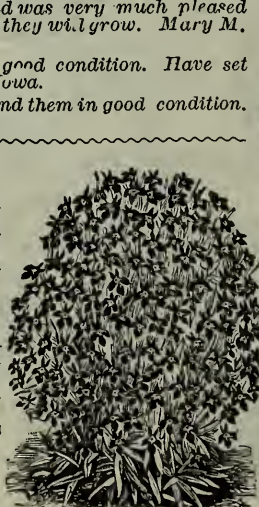
This is commonly known as the Pickle Plant. It is an old, well known trailing plant and is deservedly popular because of the oddity which it exhibits in foliage and its manner of growth. A very pretty plant for basket culture. Each 10c.

**OXALIS**

**GOLDEN STAR.**—(Ortigiesi.)—A shrubby plant about 12 inches in height, branching freely and bearing clusters of golden, star-shaped flowers. Each 15c.

**POWELL.**—An elegant species: is from the Cape of Good Hope. Very large, deep pink flowers. Each 10c.

**LASIANTRA and DIEPPI.** sold as dry bulbs, and used for massing or borders, are offered among summer flowering bulbs, page 89.



LOBELIA



AMIEL LANTANA





### OLEANDER

These old-fashioned shrubs are becoming popular again. No plant makes more handsome specimens in tubs for verandas or yard. Flowers are usually double when mature.

**ROSEA.**—Large pink flowers, borne profusely. A popular sort. Each 25c.

**LILLIAN HENDERSON.**—Flower pure white, fine sturdy plant. Each 25c.

**LUTEA.**—The comparatively rare yellow-flowered variety. Each 25c.

One plant each of the three colors, 60 cents. Large plants of either variety by express, not prepaid, each 75 cents.



OTAHEITE ORANGE

### OTAHEITE ORANGE

An extra fine pot plant, with glossy green leaves, the true fragrant orange bloom and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. With good culture they are never out of fruit from one year's end to another and at least two-thirds of the time are in flower also. In beauty, grace and fragrance there is nothing like its delicate, leafy sprays of bloom. Ea. 15c, second size 35c. Large size 50c ea., exp., not prepaid.

### MARGUERITE DAISY

**WHITE.**—A French improvement on the old White Marguerite which has for years been so popular. Is much larger and will produce ten times as many flowers. All flower lovers should try a few of these. Each 10c; doz. \$1.00.

**BLUE.**—(Agatha.)—A strikingly beautiful flowering plant, producing abundance of clear sky-blue flowers. Plants are fairly loaded with flowers, which are very desirable for cutting. Each 10c.

**MRS. F. SANDER.**—A superb new variety of double white marguerite, so lovely as to become a firm favorite wherever known. Owing to its continuous free blooming habit, beautiful lasting blooms on long stems, it is peculiarly desirable for beds or for use as cut flowers. Each 20c.

**YELLOW.**—Similar to the above, but of a very pretty canary yellow color. It blooms freely and continuously. Each 10c.

**QUEEN ALEXANDRA.**—A great improvement on the White Marguerite, having larger flowers, which are produced in greater abundance, many flowers coming perfectly double. Each 15c; dozen. \$1.25.



PONDEROSA LEMON

### PONDEROSA LEMON

Nothing has ever caused half the commotion that this wonderful Lemon has. It is a true ever-bearing variety. On a plant six feet high no less than eighty-nine of the ponderous lemons were growing at one time. It was a beautiful sight to see. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to the ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from the tree weighing over four pounds. The lemons have a very thin rind for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It is not uncommon to make twelve pies from one lemon. It fruits when quite small and makes a lovely house plant. It will fruit freely the second year. Strong plants each 15c, postpaid. Large two and three year plants 50c and 75c each, by express, not prepaid.

*My Lemon Tree that I got of you had one lemon on it that measured 13 inches one way and 11 inches the other. It was a picture, everyone praising it.—Mrs. Charles Ebel, Madison, Minn.*

### SURINAM CHERRY

A very ornamental plant at all times, as both flowers and fruits are attractive in color shades. Fruits are cherry red color and are useful and desirable for culinary purposes. Growth of plant is shrub, like orange and lemon listed on this page, and readily grown in pots. Each 20c.

### BANANA PALM

(Musa Ensete.)—Usually listed among palms and is generally known as such. It is one of the grandest and most picturesque of the banana family. Has a majestic tropical effect. Well grown specimens frequently reach 8 to 10 feet high and the leaves will have a spread of nearly the same distance. The leaves are very long and broad, of a beautiful green. An occasional application of liquid manure, and frequent watering are advisable. One at our greenhouse produced fruit this last season so it is seen they are not difficult to grow. Ea. 25c.



BANANA PALM

### STRAWBERRY GUAVA

A useful and ornamental pot plant; wonderfully productive and will prove equally popular with the Lemon and Orange listed above. Has dark, shining green foliage, with fruits of striking claret shade, about the size of a hulled walnut. Fruit is used for dessert and makes a most attractive jelly. It will have buds, blossom and fruit in various stages of development on the plant at one time. Each 20c.



STRAWBERRY GUAVA

### TROPICAL FRUIT COLLECTION

Everyone is interested in the manner of growth of the tropical plants and we offer above some of these which are suited for house culture, believing they will be popular.

Ponderosa Lemon, Otaheite Orange, Banana Palm, Strawberry Guava and Surinam Cherry.

One strong, thrifty plant of each of the above for only 75c, postpaid.

ALL THE PLANTS IN THE TROPICAL FRUIT COLLECTION CAN BE GROWN IN YOUR OWN HOME



## PALMS

The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within the reach of all. The following are the most desirable for ordinary indoor culture:

**LATANIA BORBONICA, or Fan Palm.**—One of the most popular varieties grown, prized especially for its beautiful large fan-shaped leaves of deep glossy green. The character leaves appear the second year. Each 25c.

**KENTIA BALMOREANA.**—This is considered one of the hardiest and best palms in cultivation. A rapid grower. Each 25c.

**ARECA LUTESCENS.**—A truly graceful and beautiful palm. Strong, upright grower with long, finely cut leaves. Easy to grow and very satisfactory. Each 20c.

**PHOENIX CANARIENSIS.**—A popular sort and will be found a desirable member of the palm collection. The leaves are feather-like. Each 20c.

**KENTIA FOSTERIANA.**—A fine variety of the Kentia class. Vigorous and will prosper with ordinary care. Each 20c.

## PALM COLLECTION

One each of the first five stately palms for 85c, postpaid. We can furnish fine large specimen plants of any of these varieties, by exp. not prepaid, at \$1, \$2 or \$3 ea., according to size desired.

## PLUMBAGO

**CAPENSIS.**—There is no plant in our greenhouse that has caused more exclamations of delight than these beautiful heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times of the year. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as geraniums. Each 10c.

**CAPENSIS ALBA.**—The white variety of the above, with which it is identical except in color. Each 10c.

## PANSY GERANIUM

This beautiful flower belongs to the Pelargonium class. The flowers are of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. This new and beautiful geranium is of easiest growth, dwarf in habit and literally covered with flowers, and as it requires little or no attention it is invaluable as a window plant. Colors and markings are most extraordinary. Each 25c.



FANTASIA  
DOUBLE PETUNIA

**PHOENIX ROEBELINA PALM.**—A palm which has become popular for room decoration. Plant is of vigorous growth and its graceful, recurving leaves with very narrow, dark green pinnae give it a lightness and airiness not surpassed. Large size by express, not prepaid, each \$2.00.

**CYCAS REVOLUTA.**—(Sago Palm.)—Magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown; their heavy, glossy deep green fronds resist alike the gas, dust or cold. Strong young plants 50c each, postpaid. Large specimen plants \$1.00, \$2.50, \$5.00, \$10.00 and \$15.00 each, according to size, by express, at purchaser's expense.



KENTIA BALMOREANA



KENTIA FOSTERIANA



PANSY GERANIUM



LATANIA BORBONICA PALM

## PELARGONIUMS

Commonly known as Lady Washington Geraniums, and the improved large flowering sorts are undoubtedly the most beautiful of all geraniums. Is highly prized everywhere for house culture and for winter blooming.

**MRS. ROBERT SANDIFORD.**—This is a grand double white variety; the flowers are extra large, perfectly double and beautifully laced and ruffled. The color is glistening snow white, exceedingly beautiful. Each 25c.

**MAD. VIBERT.**—A beautiful large flower with black-maroon blotches, bordering fiery red and the entire flower being edged with rose. A very vigorous grower and free bloomer. Each 25c.

**DOROTHY.**—Beautifully fringed variety. Flowers very large; rosy salmon with dark maroon blotch on upper petals, richly shaded with plum color around the throat. Its heavily fringed and ruffled edges give the flower a light and attractive appearance. Each 25c.

**MABEL.**—A beautiful large, velvety pink with black blotches in center of petal. Fine grower. Each 25c.

**MME. THIEBAUD.**—White, richly blotched with rose. The upper petals marked crimson with large white center. Petals are heavily ruffled, giving the appearance of a double flower. Each 25c.

**LADY WASHINGTON COLLECTION**  
One each of the above fine Pelargoniums, postpaid, for \$1.00.

## DOUBLE PETUNIAS

The Double Petunias are extremely popular because of the striking contrasts in the colors of each flower and because they are always in bloom. They are difficult to grow from seed as they produce only a percentage of double blossoms, while if plants are purchased they will invariably prove satisfactory. Equally desirable for bedding or indoor blooming.

**ARTUS.**—Extra large flowers of bright red, almost solid color. Will be a prized variety for its bright shining beauty. Each 10c.

**CLIO.**—A splendid shade of purple. Flowers extra size, of nearly solid color and extremely striking appearance. Each 15c.

**FAIRY.**—A splendid bright pink, more fully described on next page, and shown in colors on page 108. Each 15c.

**VIVIAN.**—A beautiful, bright, glowing red, bordered with white, with fringe. One of the best. Each 15c.

**FANTASIA.**—Handsome double white and purple petunia. Striking variegation. We cannot show the beauty of this flower with black and white illustrations. It is really beautiful. Each 15c.

**PINK BEAUTY.**—A beautifully fringed pink variety. One of the handsomest sorts in existence. Fully described on opposite page. Each 15c.

**SNOW QUEEN.**—An extra choice double white petunia which for profuse flowering qualities is unsurpassed and for keeping has no equal. See opposite page. Each 15c.

## Charming Petunia Collection

Five of the Best, Postpaid for 50 Cents

See Colored Plate, Page 108.



BIRDS EGG

OLD GLORY

MOUNT SHASTA

BRIGHT  
SPOT

GRACE  
PAGE

**BRIGHT SPOT  
GERANIUM SET**

BEST NOVELTIES FOR 1914  
ONE PLANT EACH  
OF THESE FIVE CHOICE  
VARIETIES

FOR ONLY

**60¢**

1.

2.

3.

4.

5.

**FIVE CHARMING  
PETUNIAS**

- 1. SNOW QUEEN, EACH 15¢
- 2. PINK BEAUTY " 15¢
- 3. GIANT FRINGED " 15¢
- 4. FAIRY " 15¢
- 5. VIVIAN " 15¢

THE COLLECTION FOR **50¢**

**BOTH OF ABOVE COLLECTIONS  
FOR \$1.00 POSTPAID.**



# BRIGHT SPOT GERANIUM COLLECTION

**SPECIAL OFFER TO FLOWER LOVERS WORTHY OF FIRST PLACE IN OUR FLORAL BARGAINS**

**Five Fine, Thrifty Plants Postpaid to your Home for 60 Cents**

**YOU CAN HAVE SATISFACTION AND SUCCESS WITH THIS COLLECTION**

The geranium blooms so freely and continuously, is so free from disease and insect troubles, is so thrifty under good or bad conditions, that it is the popular flower among the masses of the people, and in this collection we offer you four of the newer and superior sorts which will delight with beautiful colors, bright markings and sturdy growth. The price is so low all can afford this bargain.

## **BRIGHT SPOT**

A flaming scarlet of splendid size, double form, vigorous growth and brilliant color. A fine variety for mass bedding because the many glowing trusses of large flowers make a dazzling show so bright as to instantly catch the eye even at a distance. A single plant will add the necessary touch of fiery red so essential in making a harmonious collection for indoor blooming. The habit of growth of this variety is all that can be desired either for summer bedding or house blooming. Each 15c, dozen \$1.50.

## **BIRD'S EGG**

A wonderfully delicate and dainty combination of colors in the distinctive shading and markings of this flower. Our colored illustration is drawn from nature. The native beauty in the blossom, the exquisite shade in the dots of coloring and the purity of the white ground color in the petals on which the dots are laid are of nature's painting and beyond the power of the printer to reproduce. We do, however, give you a splendid picture of the flower, and from it you can grasp an idea of its loveliness. In the Bird's Egg variety we have strength and vigor of plant contrasted with a flower so dainty it compares with the Rubrum Lilies in beauty and richness. Ea. 20c; doz. \$1.50.

## **MT. SHASTA**

This grand new French variety, sometimes called Fleuve Blanc, possesses all of the essential points that constitute an ideal geranium, enabling it to withstand our trying summers, being one of the best of the Bruant or sun-proof type, with very large, handsome, rich green foliage, zoned with dark green; of dwarf, vigorous and compact growth. Produces enormous trusses of pure white flowers on long stems held well above the foliage. The florets are very large, and just semi-double enough to give them a fine finish. Each 15c, dozen \$1.50.

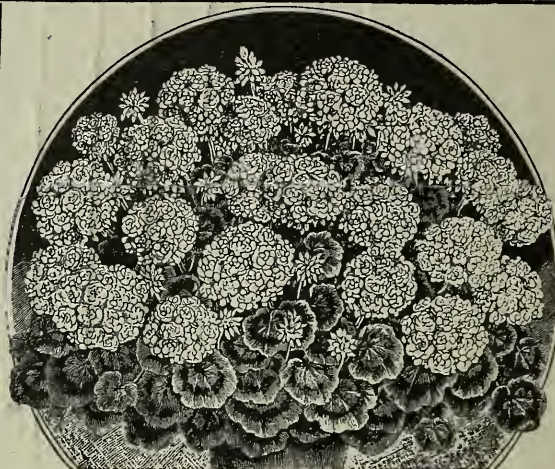
## **GRACE PAGE**

One of the finest geranium novelties, named in honor of the daughter of the president of this company. Identical with the dark crimson S. A. Nutt geranium except in foliage, which is beautifully variegated. Nothing in geraniums can surpass the beauty of this variety with its large trusses of double crimson flowers against their variegated background. Of vigorous growth and an exceedingly profuse bloomer. Leaves dark green and each bears a border of pure snowy white. There is no variegated sort on the market which blooms so freely. Well adapted for pot culture. Each 20c, doz. \$2.

## **OLD GLORY**

This grand novelty which we introduced is a seedling from a careful cross made by a florist in the employ of the U. S. and had never been named until we purchased the stock. Flowers are a clear, bright, rosy pink, the upper petals are spotted with pure white which adds to the brilliancy of the pink. The truss is frequently six inches in diameter and the florets of unusually large size. During the hottest, driest weather, at a time when every other variety of geranium was withering under the southern sun, "Old Glory," for this was the specially appropriate name we gave it, was as fresh and sweet as if just watered by a summer shower. Each 20c, doz. \$2.00.

**Bright Spot Collection of the Above Five Grand Varieties for Only 60 Cents**



MT. SHASTA GERANIUM

## **GERANIUMS BY THE HUNDRED**

Customer to pay express charges.

50 or More at the 100 Rate

The customers can select from varieties named in this special offer in such numbers of each as wanted. If you cannot use 50 or 100 perhaps you can get a neighbor to take part of order. Descriptions on pages 100, 101, 102. S. A. Nutt, crimson double Black Prince, crimson single LaFavorite, white double Dagata, pink double

Madam Sallerot, for edging

Just the varieties for out door bedding for single or mixed color effects, and in this offer you have the best possible opportunity to fill your beds at reasonable cost.

From 2½ inch pots, \$5.00 per hundred

From 4 inch pots, \$10.00 per hundred

**BOTH COLLECTIONS ON THIS PAGE  
POSTPAID ANYWHERE FOR ONLY \$1.00**

# CHARMING PETUNIA COLLECTION

**REPRODUCED IN COLORS FROM NATURE ON THE REVERSE SIDE OF THIS PAGE**

Few flowers are more striking in superb coloring, more dainty in their physical form, or more productive of delightful bloom than the double petunias; and few plants indeed are more highly prized by amateur growers than these floral favorites.

**Five Charming Types as Illustrated. 50 Cts. Postpaid**

The plants we offer are grown from cuttings; and will therefore be true to color. They are thrifty and hardy and will be easy to grow either in house or outdoor beds; and we feel they will please our friends. Petunias grow and thrive best in a sunny situation and we advise the richest soil. They are strong feeders and given plenty of plant food will surprise the grower with strong, rapid growth and flowers of the most brilliant coloring.

## **SNOW QUEEN**

Elegance and purity are the two impressions most strongly conveyed by this lovely flower. Unsurpassed in beauty of form by any flower that blooms, and the dainty fluffiness of large blossoms never fail to delight the eye of the beholder. A free bloomer and you may expect a never ending succession of pure white flowers until plant is killed. Each 15c.

## **PINK BEAUTY**

Although there are many shades of pink in this flower, the general effect is a bright pleasing pink. Color grows lighter in shade from center of the outer edges of petals, and while the gradation is very gradual, the distinction is readily noted. This shading in the flower adds greatly to its beauty, making a blossom of delightful loveliness. Each 15c.

## **GIANT FRINGED**

While this is not a true double form of petunia, the fringed and waved edges of the petals are spotted at the outer ends with distinct colors, while the center and throat of the flower are striped and veined in a beautiful manner. It is very free flowering and will be a very popular feature of this most popular collection. Each 15c.

## **VIVIAN**

When we say that this variety is purple and white, with striking variegation it conveys only a faint idea of the glorious contrast of color. It is difficult to present an adequate description in words, but a glance at the picture of Vivian in colors on the reverse of this page will be sufficient for all readers to absorb the unusual and unique beauty of this spectacular blossom. Plant is easy to grow and very prolific of flowers. Each 15c.

## **FAIRY**

A splendid flower of mingled red and white. As seen by illustration in colors on reverse side, this flower is perhaps the finest in this collection. As name suggests, it has a fairy like grace and beauty which makes it a favored and greatly prized flower by its fortunate possessor. It rounds out the harmony of the color scheme in our petunia collection, and with the others above mentioned offers a wide range of beautiful colors in a type of bloom, which cannot fail of appreciation by discriminating flower lovers. Each 15c.







INTERNATIONAL MIXED PANSIES

**PENNISETUM RUEPELIANUM**

(Fountain Grass.)—A beautiful annual grass, growing about 2½ feet high, producing long, graceful, cylindrical, purplish plumes. An excellent ornamental plant and the most appropriate to use as an edging to a bed of Cannas. Young plants ready in May. Each 10c; 75c per dozen. Seed, 10c per packet.

**PANDANUS**

**UTILIS.**—A splendid decorative plant somewhat resembling a palm. Unusually attractive as an ornament for the window because of its glossy, dark green, serrated foliage. Makes a fine plant for the lawn in summer when well grown. Each 25c, large 50c.

Brussels, Belgium, Sept. 23. The seven rose bushes which you sent me last spring came through in good shape and are now growing nicely. Charles J. Murphy.

The plants arrived last week and those received today are just as ordered and reached here in fine condition. Mrs. Alex Robinson, Bencia, Colorado.

I received the package of plants you so kindly sent me. Please accept my sincere thanks for them. They all look nice and fresh and I think they will grow. Yours respectfully, Mrs. H. D. Reinken, Watrous, New Mexico.



BABY PRIMROSE

**PRIMROSE**

**MEXICAN.**—A perpetual bloomer. Has blossoms 2 to 3 inches across, of beautiful colors. Each blossom keeps perfect many days before fading, and when it droops others are out to take its place, and this succession of beauty continues. Each 10c.

**OBSCURA.**—A lovely perpetual blooming primrose. Flowers of rose lilac, shading to white. Each 10c.

**CHINESE.**—A most popular flower for winter blooming; our cut gives an idea of its wondrous beauty. The flowers are all shades of color; distinct and beautiful markings. Each 15c.

**THE BABY.**—(Primula Forbesi.)—Forms a dense rosette of fleshy leaves from which spring flowering stems, 12, 15 and even 20 inches tall, supporting three tiers or whorls of dainty flowers of a delicate rosy lilac with eye of pale gold; not more than a half inch in diameter, but produced abundantly. Each 10c.

**PANSIES**

Pansy plants are quite a specialty with us and we sell immense numbers of them every year. Our plants are grown from the very best quality of seed and are strong and vigorous and have beautiful large velvety flowers of all shades and colors known in pansies. Extra large, strong plants of **American Giant** and **International Mixed** at 50c per dozen, 4 dozen for \$1.50, postpaid. **Choice Bedding Mixed**, doz. 30c, 4 doz. \$1.00, postpaid.

**PEPEROMIA**

**SILVER STRIPED.**—A beautiful ornamental pot or basket plant for the home. Grows vigorous and thickly massed. The leaves are wax-like, thick and fleshy, and distinctly variegated white and green. Easily grown and will thrive in any ordinary living rooms. Ea. 15c.

In shipping plants by express at customer's expense, we leave the dirt on the roots unless you instruct us to the contrary.



Peperomia.

**RUSSELLIA**

**ELEGANTISSIMA.**—A pretty little plant for producing hundreds of bright scarlet flowers. Fine for hanging baskets or vases. Each 10c.

**RUBBER TREE**

(Ficus Elastica.)—Highly valued everywhere for their tropical appearance. Leaves very large, thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will remain high in price. Each 50c, postpaid. Larger size \$1.00 and \$1.50, by express, not prepaid.



RUBBER TREE



CHINESE PRIMROSE

**BEDDING PLANTS**

We grow bedding plants in enormous numbers to supply this branch of our trade, and we quote below special prices by the hundred. We will sell 50 or over of one kind at hundred rates. At these prices customers are to pay express charges, but as they go at special rates the cost will still be low for the quantity and quality received. Your choice of colors, our choice of varieties.

	Per doz.	Per 100
Ageratum .....	.75	4.00
Alternanthera .....	.50	3.50
Alyssum .....	.50	3.00
Artemesia (Dusty Miller) ..	.75	4.00
Asters .....	.25	1.25
Begonias (Flowering) .....	.75	4.00
Begonias (Tuberous) .....	.75	5.00
Cannas (Growing Plants) ..	1.20	8.00
Cannas (Bulbs) .....	.75	5.00
Coleus .....	.60	3.50
Centaurea Gymnocarpa .....	.75	3.50
Feverfew .....	.75	4.00
Geraniums (2½ inch) .....	.80	5.00
Geraniums (4 inch) .....	1.50	10.00
Heliotrope .....	.80	5.00
Lobelia .....	.75	4.00
Pansies (American Giant) ..	.40	2.50
Pansies (Internat'l Mixed) ..	.40	2.50
Pansies (Bedding Mixed) ..	.25	1.50
Pennisetum .....	.75	3.00
Roses (one year) .....	.75	5.00
Roses (two year) .....	3.00	20.00
Salvia (2 inch) .....	1.00	5.00
Salvia (4 inch) .....	1.50	10.00
Santolina .....	.75	4.00
Stevia Variegata .....	1.25	5.00
Verbena .....	.75	4.00

WE WILL GLADLY QUOTE PRICES ON ANY KIND OF GREENHOUSE PLANTS IN QUANTITY



## SANSEVERIA

**ZELANICA.**—There is scarcely a decorative plant listed that is more striking in appearance, and certainly none other that will stand as much downright neglect. It will grow in a dark, cool room or stand on the mantel in a heated sitting room. Will stand gas or dust and requires but little water yet remains thrifty as ever. Singularly beautiful, as well as easily grown. Erect, rigid, sword-like leaves, which are thick and leathery, dark green color, beautifully striped crosswise with white. Each 15c; large plants 40c.

## SALVIA

**MRS. CHAS. N. PAGE.**—One of the finest of all bedding plants, being completely covered during the summer and autumn with long spikes of dazzling scarlet flowers, remaining in bloom until cut down by frost. Each 15c; doz. \$1.50. Large size from four-inch pots, each 20c; doz. \$2.00.

**IMPROVED SPLENDENS.**—Large, tall and fine, bright crimson flower and dark rich green foliage. Each 10c; doz. \$1.00.

**SNOWSTORM.**—A white flowered, tall growing variety. A few among a bed of scarlet salvias are unique. Each 10c; doz. \$1.00.

**PURPLE PRINCE.**—A beautiful purple shade of this popular flower. Fine for a mixed bed. Each 10c; doz. \$1.00.

**SILVER SPOT.**—Foliage green, spotted clear white; flowers bright scarlet. An attractive bedding plant. Each 15c; doz. \$1.25.



SANSEVERIA

## SANTOLINA

A very pretty dwarf growing little plant. The foliage is finely cut and of silver gray color, thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves, like Coleus. Each 10c; per dozen 75c.

## SELAGINELLA

A beautiful, low growing, moss-like plant. Fine for ferneries or planting in moist places. Each 10c; doz. \$1.00.

## SEDUM

**STONE CROP.**—Small, low growing plants, desirable for rockeries or bedding. Popular with many persons for cemetery planting as it makes a mat of green on the lot. Several varieties. Each 10c, per dozen 75c.

## SWEET ALYSSUM

**SINGLE WHITE.**—The common variety so largely used for borders and edgings. Nice little pure white flowers. Each 10c, doz. 50c, 100 postpaid \$3.90. By expr., not prepaid, doz. 40c, 100 \$2.50.

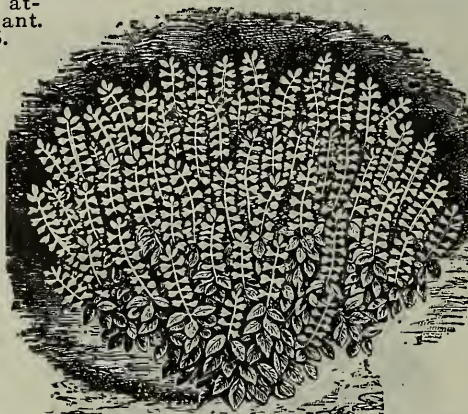
**DOUBLE.**—A double-flowering sort. Cannot be produced from seed. Each 10c, doz. 75c, 100 postpaid \$4.00.

**VARIEGATED.**—Flowers have grace and fragrance of the common alyssum. Foliage is variegated, making it specially pretty. Each 10c, doz. 75c, 100 for \$4.00, prepaid.

*The ferns arrived here all O K, and then are fine, better than I expected.—Mrs Frank Kasper, Beaver Dam, Wis.*

*I received my ferns all right. It was snowing, blowing and freezing when they got here in tip top condition.—Mrs. Monser, Marysville, Ohio.*

*I received my plants and was more than pleased with them. They were the strongest and healthiest plants I ever received for the money. Clara A. Clark, Delmont, So. Dak.*

MAMMOTH  
VERBENAS

MRS. C. N. PAGE SALVIA



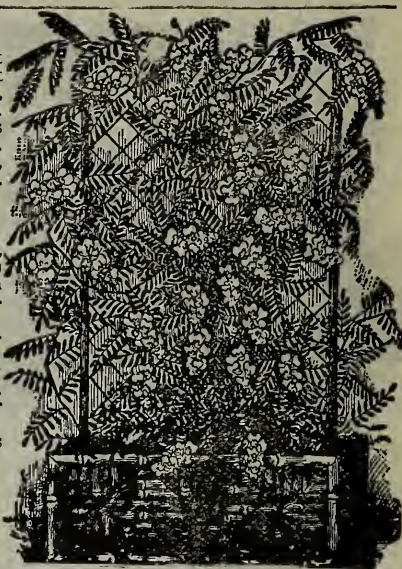
STEVIA  
SERRATA

## STROBILANTHE

**ROYAL PURPLE.**—An excellent bedding plant and a beautiful foliage plant for pot culture. Forms a compact bush 18 inches high, with leaves 6 to 9 in. long, of beautiful metallic purple, shading into light rose with a light green margin, a combination unapproached by any other plant. Flowers violet blue, borne in immense racemes. Each 15c.

## VERBENAS

Everybody likes Verbenas, as no one can help enjoying the sight of a nice bed covered with dark green leaves and brilliant blossoms. We have a large stock of the finest flowered varieties which bloom freely and are of the finest colors. We can furnish separate colors such as red, pink, white, blue, purple, striped, etc., or nicely assorted, just as you prefer, at 10c each, 75c per dozen.



WHITE SWAINSONIA

## SWAINSONIA

**WHITE.**—Beautiful new climbing plant. The habit of growth is extremely graceful, and a plant trained up at the side of a window or on a trellis presents a lovely sight of light green, feathery foliage, and a splendid profusion of pure white sprays of flowers resembling Sweet Peas in form. Easily grown. Each 10c.

**PINK.**—A beautiful new sort, similar to above, except that the flowers are a clear pink. Each 15c.

*The plants came in good order and every one is growing. I thank you for the extra rose.—Celesta Beckstead Hamburg, Iowa.*

## STEVIA

**SERRATA.**—A pretty flowering plant. Largely grown by florists in pots for blooming in the fall and winter. Plants are of upright growth, 18 inches in height, producing numerous sprays of small white florets of delightful fragrance. Not hardy and therefore should be potted in the fall for winter blooming. Each 15c.

**VARIEGATED.**—A beautifully variegated green and white leaved variety of Stevia of great value for ribbon beds and borders. Each 15c; doz. \$1.25.



STROBILANTHE



## EVERBLOOMING ROSES

We consider these not only the most popular, but also the most satisfactory of all flowers, and therefore we make roses a leading specialty and are now devoting to them more space in our greenhouses and more land in our fields than ever before. Our plants of the several varieties are mostly grown on their own roots and are strong healthy and vigorous. We have taken great pains in preparing this list, which represents the choicest selections from nearly a thousand varieties, and we are sure every one will prove satisfactory. The two-year-old plants offered in this class of roses are mostly pot growing plants. Roses sent by mail or express prepaid in perfect condition, to the most distant parts of the United States, and we guarantee safe arrival. Directions for culture sent with every package. One dozen of any variety at price of ten.

**ANTON ROVOIRE.**—A hybrid tea of beautiful light pink color, delicate and lovely. A fine ever-blooming variety of robust, vigorous habit. One of the best of late introductions. Each 15c; two-year-old plants 30c.

**FRIEHEER VON MARSHALL.**—Dark carmine, buds long and pointed, flowers large, full and of perfect imbricated form. Each 15c; two-year-old plants 30c.

**BON SILENE.**—One of the oldest varieties in the entire list and has been grown for seventy years. It still retains its place as one of the best. Color deep rose though varying at times to a lighter shade. Each 10c; two-year-old plants 25c.

**BRIDE.**—A fine pure white cut flower rose. Very double. Buds are of very large size, carried high and erect; unsurpassed for purity and whiteness. Each 15c; two-year-old plants 25c.

**BEAUTY INCONSTANT.**—A wonderful variety, producing flowers of many shades of pink, red, crimson and yellow, all on the same bush at once, making a plant of indescribable beauty. Each 15c; two-year-old plants 30c.

**BESSIE BROWN.**—Blooms are very large in size, full double and of perfect shape; color creamy white flushed and tinged with pink. Blooms freely. Each 15c; two-year-old plants 35c.

**BRIDESMAID.**—Like the Bride but of a lovely shade of clear pink. Thousands of this sort are grown every year for cut flowers, and it is also very desirable for summer bedding out of doors. Each 10c; two-year-old plants 25c.

**COQUETTE DE LYON.**—A most desirable bedding variety of light canary yellow in color. Flowers extra large, finely formed, deep and double. Ea. 15c; two-year-old 35c.

**CHATENAY.**—A most wonderfully beautiful rose. Flowers are of elegant shape with slightly recurved petals. Color creamy rose shaded with rose carmine. An extra choice garden variety. Each 15c; two-year-old 35c.

**CHAMPION OF THE WORLD.**—The champion bloomer. It is claimed that one plant will produce more flowers during the year than ten plants of any tea rose. A color which few roses can equal; rich, deep, rosy pink. Each 15c; two-year-old plants 30c.

**FRANCISCA KRUGER.**—A strikingly beautiful rose of deep coppery yellow; quite unique and distinct from all others. Of large size and very symmetrical. Each 15c; two-year-old plants 35c.

**GEN. McARTHUR.**—An everblooming rose of exceptional hardiness, needing only slight protection over winter. Color vivid crimson scarlet. Branches freely and grows strong and vigorous. Each 15c; two-year-old plants 35c.

**GOLDEN GATE.**—A beautiful free blooming and healthy flower, long stems and continuous bloom. Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each 10c; two-year-old plants 25c.

**GOLDEN BEDDER.**—The finest golden yellow tea rose. A strong, healthy, vigorous plant and a profuse bloomer. By some it is called Star of Lyons. Each 15c; two-year-old plants 30c.

**GRUS AN TEPLITZ.**—One of the brightest colored roses known. When first opened it is a dark, rich crimson, quickly changing to a bright scarlet. Blooms continually. Each 15c; two-year-old plants 30c.

**HERMOSA.**—An old favorite variety. Prized for its beauty and abundant blossoms. Never out of bloom during the summer. In color it is a beautiful shade of bright pink. Each 10c; two-year-old 25c.

**IVORY.**—As indicated by its name the flower is pure ivory white, while the plant is all that could be desired. Strong grower, vigorous and healthy. Each 10c; two-year-old plants 25c.

**KING OSCAR.**—Hardy, strong growing variety and flowers as freely as any dark colored rose, though it will not produce as many flowers during the season as the Kaiserin or Killarney. It is such a rich, dark color that in comparison with other varieties it appears almost a maroon black. Each 20; doz. \$1.75. Large two-year-old plants each 40c; doz. \$3.50.

**LA DETROIT.**—The La Detroit rose is a most magnificent new hybrid tea rose, of largest size and splendid form; color clear flesh pink, shading to deep rose; fine broad shell-shaped petals, very full and deliciously tea scented; a vigorous grower. Each 10c; two-year-old plants 35c.

**KAISERIN.**—Decidedly the finest white ever-blooming hardy garden rose. Soft pearly white, lightly tinted with lemon at center. Free, continuous bloomer. Buds of faultless shape, developing into large, very double flowers of exquisite fragrance. A general favorite with rose growers everywhere. Each 15c; doz. \$1.50. Two-year-old plants each 30c.

**KILLARNEY.**—Killarney is fast pushing out the other sorts with the city florists and the cut flowers sell at about fifty per cent higher prices, owing to the fact that the buds are especially long and the color of the rose is a peculiarly bright, living pink, more beautiful than any other pink rose that has ever been on the market. A free bloomer, easily grown, and of strong, healthy constitution. Each 15c; doz. \$1.50. Large two-year-old plants each 30c; doz. \$3.00.

**MAD. DE WATTEVILLE.**—The tulip rose. A beautiful variety, color cream yellow, tinted pink. Petals are bordered with crimson, making it a striking and attractive flower. Each 15c two-year-old plants 30c.



CHATENAY



GOLDEN



KAISERIN

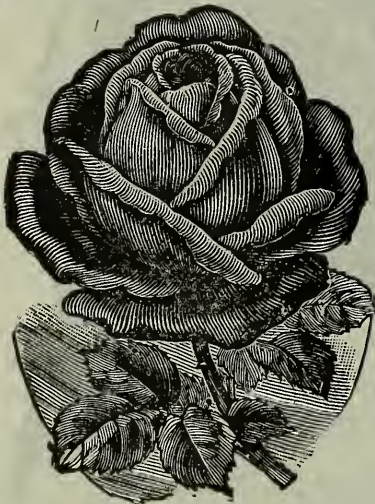




DUCHESS DE BRABANT

as red as Richmond." Color is vivid scarlet-crimson, and the flowers are marvels of beauty, large, bold and of splendid substance. Very hardy and of thrifty growth. Each 20c. Two-year-old plants 40c.

**SOUVENIR DE WOOTEN.**—We consider this one of the most beautiful and satisfactory roses grown. A rich shade of velvety crimson; deliciously fragrant; a constant and prolific bloomer; flowers frequently 6 inches across. Each 15c. Two-year-old plants 25c.



RICHMOND.

**METEOR.**—One of the standard varieties of hybrid tea or ever blooming roses. It is remarkable for the strong growth, constant and abundant blooming. The color is bright, rich, velvety crimson, a delightful shade and the most popular of colors. Flowers large, double, and its popularity is because it combines all desirable qualities of a choice rose. Each 15c. Two-year-old 30c.

**MALMAISON.**—A pink rose of varied shadings, light blush, rose and deep pink. It is quite hardy and is very valuable for outdoor planting. Flowers very large and double and altogether a satisfactory variety. Each 15c. Two-year-old plants 30c.

**MY MARYLAND.**—The color is a soft, salmon-pink which lights up beautifully as the flowers expand. The shade is most pleasing. Under artificial light, it is even more beautiful than in daylight. Growth splendid, sturdy and healthy; foliage large and abundant; strongly and delightfully perfumed. Each 20c; large two-year-old plants 35c.

**QUEEN BEATRICE.**—A hybrid tea rose with flowers very large and double. Color deep pink, changing to lighter shade as it opens. Offered as the queen of pink roses, and it is stated to have brought the originator \$30,000. Each 20c. Two-year-old plants 35c.

**RICHMOND.**—A strong rival of the American Beauty. It is a beautiful scarlet crimson, as free blooming as any tea rose, and flowers extraordinarily fragrant. A standard variety because of its merit. Ea. 15c. 2-yr-old plants 30c.

**RED KAISERIN.**—Distinct and pleasing shade of cherry red. A bright, free blooming sort with flowers of fine shape and substance. Each 15c. Two-year-old plants 35c.

**RAINBOW.**—An elegant tea rose strong, healthy, exceedingly free flowering habit. Color, lovely shade of pink, striped with intense crimson, often shaded with rich golden amber at center and base of petals. Does not always show the variegation but it is always beautiful Ea. 15c 2-yr-old 35c.

**RHEA REID.**—A magnificent rose described by an enthusiastic rose lover as being "as large as American Beauty, as double as La France and as red as Richmond." Color is vivid scarlet-crimson, and the flowers are marvels of beauty, large, bold and of splendid substance. Very hardy and of thrifty growth. Each 20c. Two-year-old plants 40c.

**SUNRISE.**—The color of this beautiful rose is so varied it is difficult to describe. Buds yellow and scarlet and as they open colors deepen, the yellow changing to rich orange, while the scarlet grows darker. Inside of petals of golden yellow and the contrasts of the flowers are so striking that it will attract attention anywhere. Each 15c. 2-year-old 30c.

**SUNSET.**—Beautiful old gold, shaded coppery crimson, with sunset tints. Each 15c. Two-year-old plants 30c.

**UNCLE JOHN.**—Always in bloom. Strong bush form, not troubled with disease. Flowers rose color, shading to pink and white; fragrant; large, double. Each 15c. 2-yr-old 30c.

**VERDIFLORA.**—The green rose that cannot fail to attract attention and cause surprise wherever seen. Deep green petals; free bloomer. A curiosity of the rose family. Each 15c. 2-year-old 25c.

**WHITE KILLARNEY.**—Exactly like Killarney except in color. It is one of the best garden roses, hardy in this climate with slight protection. Color is pure, snowy white; blooms large and buds long and pointed. Each 15c. Two-year-old plants 35c.

**WHITE KILLARNEY.**—Exactly like Killarney except in color. It is one of the best garden roses, hardy in this climate with slight protection. Color is pure, snowy white; blooms large and buds long and pointed. Each 15c. Two-year-old plants 35c.

**WHITE KILLARNEY.**—Exactly like Killarney except in color. It is one of the best garden roses, hardy in this climate with slight protection. Color is pure, snowy white; blooms large and buds long and pointed. Each 15c. Two-year-old plants 35c.

## WHITE RIBBON BEDDING COLLECTION

Six of the very choicest of the ever-blooming roses for summer bedding. Not sufficiently hardy to withstand the winter, but will repay anyone for the extra care required to keep them from year to year by the beauty and abundance of flowers, chosen from the entire list because of their quality.

**FRANCES E. WILLARD.**—This extremely beautiful new pure white ever-blooming rose has proved a most valuable variety for garden bedding. It is a strong, vigorous grower, making healthy, handsome bushes. The buds and flowers are of large size and perfect form, pure snow white, delightfully fragrant, very full and perfect. Is such a vigorous grower that it will do better if given some support. Blooms much more second season than first. Ea. 15c. 2-yr 35c.

**DUCHESS DE BRABANT.**—This unites the highest attributes of a garden rose; very vigorous; never fails to produce flowers; healthy, rarely diseased in any way; beautiful in bud or open flower and delightfully fragrant. Color an attractive shade of soft, rosy pink, deepening to bright rose. Each 15c. 2-yr-old plants 35c.

**MARIE VAN HOUTTE.**—An old sort which has not been superseded. Flowers deep, double and canary yellow in color. As the flowers mature color changes to cream with tints of rose. Each 15c. Two-year-old 30c.

**PRINCESS BONNIE.**—An ever-blooming crimson, deep, solid and vivid. Very fragrant; one of the most prolific roses. Each 15c. Two-year-old 35c.

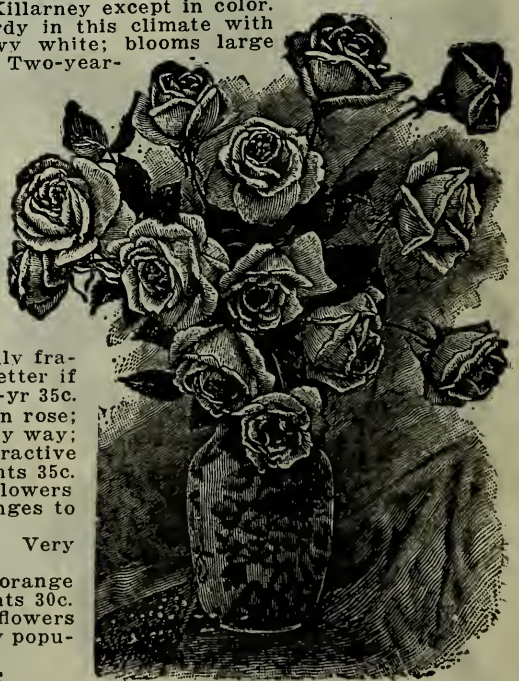
**GEN. ROBT. E. LEE.**—Ranks with Princess Bonnie as a producer. Color orange yellow, sometimes shading to a darker salmon. Ea. 15c. Two-year-old plants 30c.

**ANNY MUELLER.**—Sometimes offered as the Pink Baby Rambler. The flowers are produced in clusters, are of pink color and borne very profusely. A very popular variety. Each 15c. Two-year-old plants 30c.

**Six White Ribbon Roses 75 cents. Two-year-old Plants \$1.25.**



RAINBOW.



FRANCES E. WILLARD

WE LIST ONLY SUCH VARIETIES OF ROSES AS WILL GIVE SATISFACTION TO OUR CUSTOMERS



## SUMMER CLIMBING ROSES

**MRS. ROBERT PEARY.**—(Climbing Kaiserin Augusta Victoria.)—Praised not only by professional but also by amateur growers. It is ever-blooming and while not classed as a hardy variety will live over winter with slight protection. The flowers are extra large, full, deep and double. The buds are long and pointed. Color pure ivory white, of delicious fragrance. Grows 10 to 15 feet in a single season. Each 20c. Two-year-old plants each 50c.

**MARECHAL NEIL.**—Grand old French variety, ever beautiful and of surpassing fragrance. It is a climbing rose which, when well cultivated, will produce an immense number of flowers. Hardy in the south but will not stand severe winters, and must be taken in and kept dormant during the winter, or may be kept in the house or conservatory. Excellent winter bloomer. Each 15c. doz. \$1.50. Large two-year-old plants each 35c. doz. \$3.25.

**ENGLAND'S FAVORITE.**—Our attention was immediately attracted by this charming, peculiar colored rose when we were traveling through northern England where this variety is very popular. The outside petals are a rich, deep golden yellow, shading to a deep coppery yellow toward the center of the flower. Each 20c. doz. \$1.75. Two-year-old plants each 40c. doz. \$3.50.

**CLIMBING WOCTEN.**—Deep velvety crimson flowers. Strong grower and will winter in the north if slightly protected. Each 15c. doz. \$1.50. Two-year-old plants each 35c. doz. \$3.25.

ONE EACH OF THE FOUR BEAUTIFUL SUMMER CLIMBERS FOR 50c.  
LARGE TWO-YEAR-OLD-PLANTS \$1.00.



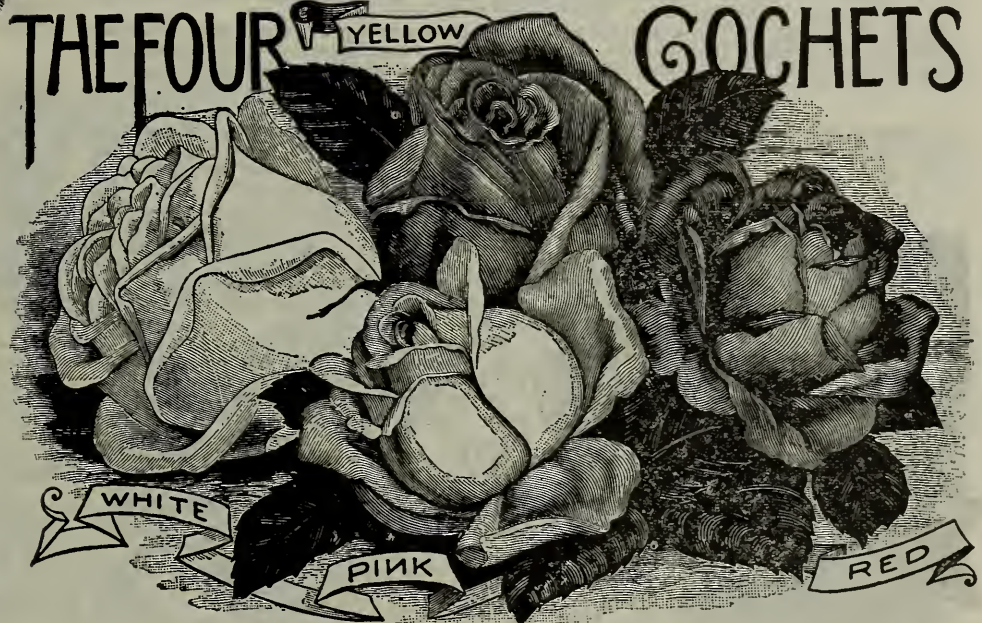
MRS. ROBERT  
PEARY

### Full Value Rose Collection

Ten Choice Roses at a Remarkably Low Price

We grow hundreds of varieties of roses, but not a poor one. The demand for the different varieties fluctuates considerably and because we cannot gauge exactly the number of each kind that will be ordered we always have a surplus of some sorts, and if you will permit us to select the varieties we will send you

**TEN CHOICE ROSE PLANTS  
POSTPAID FOR 50 CENTS**



The Cochet roses are exploited by many specialists as the best roses for outdoor planting. They are everblooming and distinctly beautiful, and we offer you in our collection the choicest varieties of this popular type.

**MAMAN COCHET.**—Buds large and pointed, while the open flowers are extra large, double and bloom all the time. Color is a rich, clear pink, changing to silvery rose. Each 15c. Two-year-old plants 30c.

**RED COCHET.**—Helen Gould.—Buds are long and pointed; flowers are full and perfectly double; color rich, rosy crimson, bright and glowing; a good winter bloomer. Each 15c. Two-year-old plants 30c.

**WHITE COCHET.**—An exact counterpart of the beautiful Maman Cochet except that it is of purest white. Very desirable. Each 15c. Two-year-old plants 35c.

**YELLOW COCHET.**—Deep sulphur yellow. True Cochet type; most desirable of yellow roses for outdoor planting. Each 20c. Two-year-old 35c.

ONE PLANT EACH OF THE FOUR COCHET ROSES FOR 50c. TWO-YEAR-OLD PLANTS, ONE OF EACH FOR \$1.00.

### SWEETHEART ROSE COLLECTION

For the past three seasons this has been an exceedingly popular offer. It was so generally satisfactory to our patrons that we have again listed it for the benefit of those who may wish to purchase. The varieties are of the ever-blooming class, exceedingly fine for summer planting.

**PRINCE CHARMING.**—Yellow, shaded Chinese pink and saffron. Each 15c. Large two-year-old plants 35c.

**CHERRY RIPE.**—Bright cherry red. Each 25c. Two-year-old 50c.

**ETOILE DE FRANCE.**—Clear red or crimson velvet shade. It is without doubt the finest red hybrid tea rose in our long list of varieties. Each 20c. Two-year-old plants 40c.

**FRAU KARL DRUSCHKI.**—Immense snow white blossoms. Also known as White American Beauty. Each 20c. Two-year-old plants 35c.

**SWEETHEART.**—A strong growing climber. Color bright pink changing to soft white as buds mature. Each 15c. Two-year-old plants 35c.

ONE PLANT OF EACH OF THE ABOVE 60c. LARGE TWO-YEAR-OLD PLANTS READY TO BLOOM \$1.40.



CHAMPION OF THE WORLD

BESSIE BROWN

NOTE OUR FULL VALUE ROSE COLLECTION OFFER OF TEN ROSES FOR FIFTY CENTS ON THIS PAGE



## BEAUTIFUL HARDY ROSES

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. The lower priced roses below named are growing plants in from 2 to 2½-inch pots, while the larger sizes are strong hardy, mostly outdoor grown, two-year-old plants which have been kept dormant. These can be planted outside early in the spring before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. Should our stock of dormants be exhausted we will send strong two-year-old plants which have been kept growing in pots. Our experiments prove that the following are the most satisfactory varieties for general use and we have discarded all others. Remember, we prepay postage or express charges on plants at prices named.

**AMERICAN BEAUTY.**—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large, full flowers and fine buds. A good bloomer. Each 15c, two-year 35c.

**ANNA DE DIESBACH.**—(Glory of Paris.)—Most lovely brilliant carmine, long pointed buds, and large, finely formed, compact flowers; very full and double and delightfully sweet. A vigorous grower and fine bloomer. Each 20c, two-year 40c.

**HARRISON'S YELLOW.**—One of the finest pure deep yellow hardy roses grown. Each 25c, two-year 50c.

**ENGLISH SWEET BRIER.**—Flowers are bright pink; single, but the exquisite fragrance of the flowers, the leaves and young branches in spring frequently perfume a whole neighborhood. Each 25c, two-year 40c.

**LA REINE.**—Color clear, bright rose; plant strong and vigorous. Blooms large, fine, full and fragrant. Each 15c, two-year 30c.

**MAD. MASSON.**—It is entirely hardy, blooms nearly all the time, bearing numbers of large, full, double flowers of unusual beauty and wonderful fragrance; clear, bright rose, distinct and charming. Each 15c two-year 35c.

### ARCTIC ROSE COLLECTION

**GLORIE DE MARGOTTIN.**—One of the very finest varieties. Flowers very large, symmetrical, very full and deliciously scented. Color is clear, dazzling red. It is certainly one of the most brilliant roses ever seen. It is a free bloomer and vigorous grower. Each 15c, two-year 40c.

**JUBILEE.**—A grand, hardy perpetual blooming variety. Color dark crimson shaded velvety maroon; flowers sometimes six inches in diameter. Each 15c, two-year 30c.

**GENERAL WASHINGTON.**—Color a brilliant crimson, very rich and beautiful; large, perfectly double and free bloomer. Ea. 15c, two-year 30c.

**JOHN HOPPER.**—Flowers large, regular and full; color brilliant rose, shaded rich crimson. Very sweet. Each 15c, two-year 35c.

**COQUETTE DES ALPS.**—Flowers large and full, finely formed and pure white. Profuse bloomer. Each 15c, two-year 30c.

**MAD. CHARLES WOOD.**—Bright, fiery scarlet, passing to rosy crimson, shaded maroon. Each 15c, two-year 35c.

**ROGER LAMBERLIN.**—Exquisitely beautiful; colored rich crimson, with white edge; so different from other varieties that few persons suspect it is a rose. Each 20c. Two-year-old 35c.

**J. B. CLARKE.**—Awarded the gold medal of the National Rose Society. A hybrid perpetual of unique color, being an intense scarlet shaded dark, rich crimson maroon. Flowers very large and fine. Each 20c, large two-year 40c.

ONE EACH OF THE EIGHT ENTIRELY  
HARDY ARCTIC ROSES POSTPAID FOR 90c;  
LARGE TWO-YEAR PLANTS \$1.75.

### GIANT IRONCLAD ROSE COLLECTION

Selected for those who want roses that will stand the severest climate and give satisfaction in blossoms.

**MRS. JOHN LAING.**—For outdoor planting is undoubtedly the finest. A beautiful soft pink; delicious fragrance; very double and of large size. A constant bloomer. Ea. 15c, don't 30c.

**GENERAL JACQUEMINOT.**—One of the grandest roses in existence; nothing can surpass them in beauty. Color a rich, dazzling scarlet, shaded with deep, velvety crimson; a superb glowing color. Each 15c, two-year 30c.

**MAGNA CHARTA.**—A spendid rose with extra large, rosy red flowers, beautifully flushed violet crimson. Each 15c, two-year 30c.

**MRS. R. G. SHARMAN-CRAWFORD.**—Very full double flowers of deep rosy pink. Beautiful. Ea. 15c, two-year 30c.

**PAUL NEYRON.**—Double flowers of shining carmine pink. Largest rose known, and one of the most prolific bloomers. An exceptional grower, making shoots 4 to 5 feet high in a season. Each 15c, two year 30c.

**PRINCE CAMILLE DE ROHAN.**—A fine rose of rich, velvety crimson, passing to maroon, shaded black. Ea. 15c, two-year 35c.

SIX GIANT IRONCLADS FOR 70c, LARGE  
TWO-YEAR-OLD PLANTS \$1.50 POSTPAID.



AMERICAN  
BEAUTY



CAPTAIN CHRISTY.

### FAVORITE ROSE COLLECTION

In this collection we have a fine display of color combined with hardness, and it is composed of proven sorts that will give satisfaction.

**BARON DE BONSTETTEN.**—Rich, dark red, passing to a deep, velvety maroon, nearly black. A large flower, very highly scented. Each 15c, two-year-old 35c.

**DINSMORE.**—We cannot praise this enough. Always in bloom, with large, imbricated, and very double flowers of dazzling crimson scarlet color; rich, spicy fragrance. Of compact, bushy growth. Fine for beds and very hardy. Each 15c, two-year 30c.

**VICK'S CAPRICE.**—Perfectly hardy. Flowers are large, soft, satiny pink, distinctly striped and dashed with white and carmine. Each 15c, two-year 30c.

**CAPTAIN CHRISTY.**—Is very double; fresh, delicate pink. Ea. 1c, two-year 30c.

**MADAME PLANTIER.**—Flowers borne in great profusion, are pure white; hardy as an oak, and certain to grow. Blooms in June. Each 15c, two-year 25c.

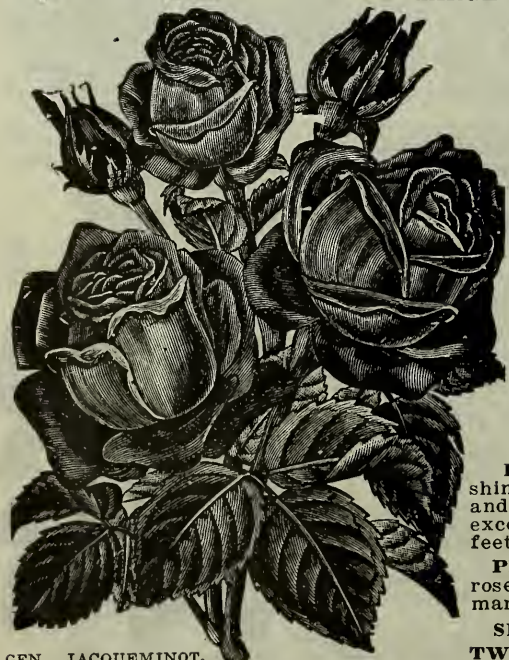
**ULRICH BRUNNER.**—A rich, glowing crimson scarlet; flowers of exquisite shape. Each 15c, two-year 30c.

**CLIO.**—Color flesh pink shaded rose in center. Large flower of fine form. Ea. 15c, two-year 30c.

THE SEVEN FAVORITE ROSES  
70c LARGE DORMANT \$1.60.



ROGER  
LAMBERLIN



GEN. JACQUEMINOT.

ANY VARIETY ON THIS PAGE CAN BE GROWN IN OPEN GROUND IN A PERMANENT BED



## BABY RAMBLER ROSES

This type of roses has created a furore among rose planters in America and we list below three varieties in collection that our customers may have the contrast of color necessary for best effects. Entirely hardy

**CRIMSON BABY RAMBLER.**—The very best bedding rose in existence. It originated in Orleans, France, from a cross of the Crimson Rambler and a Polyanthus variety, and it may be called a perpetual blooming dwarf Crimson Rambler. The bush is vigorous, absolutely hardy, about 7 inches in height, and on our place every plant was in bloom every day of the summer and fall. Sometimes as high as 120 flowers have been counted on a single panicle. Nice, well-grown plants each 15c; per dozen \$1.50. Large two-year-old plants each 40c.

**WHITE BABY RAMBLER.**—(Catherine Zeimet.)—The true Baby Rambler type, with pure white flowers. Deliciously fragrant and perfectly hardy. Each 15c; two-year-old 35c.

**PINK BABY RAMBLER.**—(Phyllis.)—A counterpart of the Crimson Baby Rambler except that color is a bright, shining pink. Splendid in combination with the above. Each 15c; two-year-old plants 35c.

**SET OF THREE BABY RAMBLERS FOR 35c, OR IN TWO-YEAR-OLD PLANTS 85c.**

## FAIRY ROSES

These small roses are marvels of grace and beauty; blooms are borne in clusters.

**YELLOW SOUPERT.**—(Mosella.)—Choice novelty. Flowers very double; tinted white on beautiful light yellow ground. Each 15c; two-year-old plants 25c.

**LITTLE WHITE PET.**—A pure white of perfect shape. Hardy. Each 10c; two-year-old plants 25c.

**CLOTHILDE SOUPERT.**—One of the most popular and satisfactory roses grown. Wonderfully free bloomer. White, shaded pink. Each 10c; two-year-old plants 25c.

**WHITE SOUPERT.**—(Schneekopf.)—Is similar to Clothilde Soupert except it is pure ivory white without shade of other color. Like all others of this class it is extremely free flowering. Each 15c; two-year-old plants 25c.

**THE FOUR FAIRIES FOR 35c. TWO-YEAR-OLD PLANTS 80c.**

## RUGOSA ROSES

**SIR THOMAS LIPTON.**—A hardy hybrid rugosa rose. Grows 4 feet high, strong and vigorous. The flowers double pure white. Fine for hedging, cemeteries or massing. Each 15c; two-year-old 35c.

**CONRAD F. MEYER.**—Elegantly formed buds and flowers  $3\frac{1}{2}$  to 4 in. across and perfectly double. In color rich, peachy yellow, tinged silver rose; very fragrant, entirely hardy. Each 15c; two-year 35c.

**RED RUGOSA.**—A single-flowered rose. Makes a handsome large bush; bright green leaves; clusters of deep rose-colored flowers continuously, followed by large apple-shaped bright red fruits. Strong plants each 25c.

**WHITE RUGOSA.**—Similar to above; white flowers. Each 30c.

**ONE EACH FOUR RUGOSA ROSES IN LARGE PLANTS, ONLY \$1.00.**

## FOUR LA FRANCE ROSES

LaFrance roses are certainly the nearest perfection of flowers. Distinctive characteristics of the set are the true LaFrance fragrance and beautiful form. Prized for their profusion of bloom.

**RED LA FRANCE.**—(Duchess of Albany.)—Deep rose pink hue. Very large, double and of superb form. Each 10c, two-year-old plants 35c.

**LA FRANCE.**—Beautiful form in bud and full bloom; very large, full and globular; a constant bloomer; in color pink or silvery rose—a satiny sheen, as it has been termed. Each 10c; two-year-old plants 30c.

**WHITE LA FRANCE.**—Identical with LaFrance, except color. It is pearly white, sometimes tinted fawn. Each 10c; two-year-old plants 30c.

**STRIPED LA FRANCE.**—Is a rich, creamy pink with silvery gloss, beautifully streaked and etched with carmine. Each 15c; two-year-old 30c.

**SET OF FOUR LA FRANCE ONLY 40c. TWO-YEAR-OLD \$1.00.**

## MOSS ROSE

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossoms; hardy; needs protection.

**CRESTED MOSS.**—Deep pink buds surrounded by mossy fringe; fine. Each 20c; dormant 30c.

**CRIMSON GLOBE.**—Large flower; deep, rich crimson; very mossy; fragrant. One of the best. Each 15c; dormant 35c.

**WHITE MOSS.**—Everyone should have this. Each 15c; dormant 35c.

**ONE EACH OF THE MOSS ROSES FOR 35c; DORMANT PLANTS 75c.**



BABY RAMBLER ROSE

## TRIUMPH ROSE COLLECTION

ALL OF IRONCLAD HARDINESS except Helena Canbier; all constant or perpetual bloomers, except Henri Martin, and will grow larger, more beautiful and valuable each year...

A special offer, which proved so popular we repeat it this season.

**TRIUMPH.**—Superb new variety from England where it is sometimes known as "Hugh Dickson." Color crimson, flamed scarlet. Blossom extra large, highly perfumed. Each 20c; two-year-old plants 50c.

**THE BLACK ROSE.**—Finest deep, rich, red rose. Attracts the most favorable comment. A glorious, very dark crimson rose. Ea. 15c; 2-yr. 35c.

**HELENA CANBIER.**—A charming new French rose. Color copper yellow, changing to lemon yellow in outer petals. Each 20c; two-year 40c.

**FRAU KARL DRUSCHKI.**—Beautiful white variety often called White American Beauty, because its habit and growth resemble that popular sort. Ea. 20c; 2-year 35c.

**FRANCOIS LEVET.**—An exquisite cherry pink, delicately shaded with carmine and blush. Free bloomer and perfectly hardy. Each 20c; two-year-old 40c.

**HENRI MARTIN.**—A magnificent moss rose, very mossy and delightfully fragrant. Blooms only in season but is most prolific. Each 15c; two-year-old plants 35c.

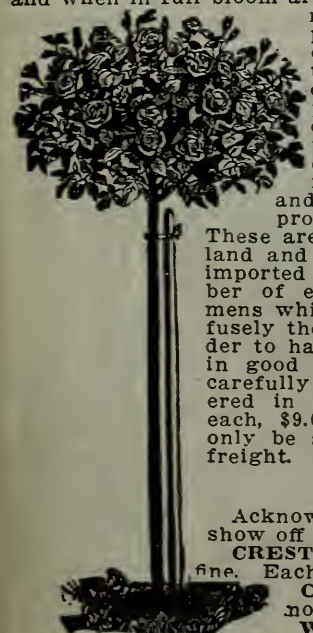
**ONE STRONG PLANT OF EACH OF THE ABOVE 75c; TWO-YEAR-OLD READY TO BLOOM \$1.75, POSTPAID.**

## ELEGANT TREE ROSE

These Tree Roses are grafted on hardy rose stalks about four feet high, are tree-shaped and when in full bloom are objects of beauty,

making handsome plants for the lawn or rose border. In this shape we offer only the hybrid perpetual or hardy class. We have them in white, the different shades of red, pink, yellow and crimson. Should be protected in winter.

These are all grown in Holland and this year we have imported a very large number of extra choice specimens which will bloom profusely the first year. In order to have these reach you in good condition they are carefully packed and delivered in cars here at \$1.00 each, \$9.00 per dozen. Can only be sent by express or freight.



TREE ROSE



LITTLE WHITE PET



C. F. MEYER

by large apple-shaped bright red fruits. Strong plants each 25c.



CRESTED MOSS



# HARDY CLIMBING ROSES

For porches and trellises nothing surpasses the climbing roses, especially the ever-blooming varieties. We recommend the two-year-old plant for immediate effect. Following recommended as permanent plants:

**CLIMBING AMERICAN BEAUTY.**—A real American Beauty in flower, foliage and fragrance, but grows as a climber, often making fifteen feet in a single season. Flowers are very large, from three to four inches in diameter, of fine form and are borne in great profusion. A continuous bloomer, and hardy without protection. A new rose of exceptional merit. Each 20c, two-year-old each 60c.

**BIRDIE BLYE ROSE**—This new ever-blooming variety is one of the choicest. Hardy, living over winter with slight protection. It is a pillar rose, growing about 6 feet high, but can be trimmed to bush form; glossy foliage and blooms constantly, producing at the end of every shoot clusters of bright, satiny-rose blossoms, quite double, intensely fragrant and over three inches in diameter. The buds are long and pointed and a bright carmine color. Each 20c, two-year-old plants 50c.

**THOUSAND BEAUTIES.**—(Tausendschon.)—A hybrid from crossing Crimson Rambler with Tea and Polyantha varieties. Blooms profusely from the beginning of June until the last of July. The colors of the flowers range from white to rich pink in the same clusters. Not so thorny as most varieties and is a strong and vigorous grower. Has all the desirable qualities of the hardest climbing roses. Each 20c; dormant 40c.

**KEYSTONE.**—In this we have at last secured a hardy ever-blooming rose of bright lemon color and delicious fragrance. Is perfectly hardy, of free habit of growth; blooms profusely; vigorous constitution. Each 15c; dormant 35c.

**RUSSELL'S COTTAGE.**—Dark crimson, very double and full; extra strong, rampant grower of iron-clad hardness. This is the only satisfactory dark red climbing variety. Each 15c; dormant 30c.

**SEVEN SISTERS.**—One of the old standard climbing roses. Crimson, changing all shades to white. Blooms in clusters. Each 15c; dormant 25c.

**MARY WASHINGTON.**—Hardy, perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight and named it after his mother, Mary Washington. Each 15c; dormant 30c.

**PRAIRIE QUEEN.**—An old standard that will always be popular. Bright rosy red; a large flower. Each 10c; dormant 25c.

**BALTIMORE BELLE.**—Double blush white; large clusters covering plant with bloom. Each 10c; dormant 25c.

## BARGAIN COLLECTION OF HARDY CLIMBING ROSES

We make a special offer of one each Thousand Beauties, Birdie Blye, Russell's Cottage, Mary Washington, Keystone, Seven Sisters, Baltimore Belle and Prairie Queen for 85c, postpaid; large dormant \$1.75.

## Rainbow Rambler Collection

For details see front cover page.  
FIVE FINE PLANTS, ONLY.....50c

TWO-YEAR-OLD PLANTS, ONLY \$1.00

Postpaid to your address.



BIRDIE BLYE ROSE

## MEMORIAL ROSES

These hardy roses creep over the ground like ivy. Leaves glossy dark green; profuse flowering.

**WHITE MEMORIAL.**—(Whit-churiana.)—Fine for cemetery planting. Flowers single, pure white; hardy. Ea. 15c; 2-year 30c.

**MANDA'S TRIUMPH.**—Rapid, sturdy grower; bears a profusion of double, pure white, imbricated flowers; elegant for cemetery. Each 10c; two-year-old 25c.

**SOUTH ORANGE PERFECTION.**—Produces multitudes of most perfectly formed double flowers; soft blush pink at tips. Each 10c; two-year-old 25c.

**GARDENIA.**—Buds bright yellow, open flowers, cream color, 3 to 3½ inches in diameter. Delightfully fragrant. Each 10c; two-year-old plants 25c.

**JERSEY BEAUTY.**—Extremely vigorous grower; flowers large, single, 3 inches in diameter, opening pale yellow, with clusters of bright yellow stamens. Each 10c; two-year-old plants 25c.

**UNIVERSAL FAVORITE.**—Blooms are very abundant, of large size, double, of a beautiful rosy pink, and very fragrant. Each 10c; two-year-old plants 25c.

ONE EACH OF THE SIX MEMORIAL ROSES FOR ONLY 50c.



COPYRIGHTED 1895 BY A. ELANG

CRIMSON RAMBLER

## RAMBLER ROSES

**BLUE RAMBLER.**—(Veilchenblau.)—The wonderful new rose which has attracted so much attention. It resembles the well known Crimson Rambler in its climbing habit and manner of growth, having glossy green foliage and bearing large clusters of medium sized flowers. When first opened its color is an attractive shade of violet crimson, later changing to a more distinctive and the unique shade of violet-blue. It is markedly distinct in color from any other rose within our knowledge, and, from a conservative standpoint, is a novelty deserving attention and trial on pillar, arbor or trellis. Strong plants each 15c; large two-year-old 35c.

**PHILADELPHIA RAMBLER.**—A greatly improved Crimson Rambler. Begins blooming two weeks earlier and its color is brighter, more intense crimson; almost entirely free from mildew. Each 15c; dormant 30c.

**CRIMSON RAMBLER.**—The most popular rose in existence as it is always satisfactory. Many instances are reported of 3,000 to as high as 19,721 flowers by actual count on one bush. It is exceedingly hardy. Flowers are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c; strong dormant plants 25c. Extra strong four-year-old: Crimson Ramblers at \$1.00 each.

**YELLOW RAMBLER.**—Grand new variety like above except that it is golden yellow. One of the most satisfactory sorts. Each 10c; dormant 25c.

**WHITE RAMBLER.**—Pure white, very fragrant. A beautiful, popular and satisfactory sort. Each 15c; dormant 25c.

**PINK RAMBLER.**—Of shining rose color. Each 10c; dormant 30c.

**DOROTHY PERKINS.**—A grand new sort remarkably like Crimson Rambler, but flowers more double and beautiful shell pink color. Each 10c; dormant 30c.

**WHITE DOROTHY PERKINS.**—Like the parent variety with pure white flowers. The Dorothy Perkins type is preferred by most rose growers to the ordinary Rambler sorts. Each 25c; two-year-old plants 50c.



MARY WASHINGTON

NOTE PARTICULARLY THAT THERE ARE TWO BARGAIN COLLECTIONS OFFERED ON THIS PAGE



# TENDER VINES AND BASKET PLANTS

Listed separately for the convenience of our patrons who desire them for special uses.

## CLERODENDRON

**BALFOURI.**—A unique and beautiful climbing plant. It presents a splendid combination of colors, having bright scarlet flowers with creamy white calyx; a profuse bloomer, young plants a foot high bearing several clusters. A strong and rapid grower for house or garden planting. Each 15c.

## GLECHOMA

(Variegated Ground Ivy.)—The foliage is a bright green, marked with pure white and has a refreshing fragrance similar to mint. Graceful and beautiful for hanging baskets. A general favorite with all of our customers as there is a continued and steady demand for it. Entirely hardy when planted out, and makes an ornamental, dense mat on the ground. Ea. 10c, doz. 75c.

## MAURANDIA

Graceful climbers for window or conservatory or open ground in the summer; fine to hang from vases, cover stumps and low trellises, flowering freely. Each 10c.

## COBEA SCANDENS

A rapid growing climber bearing large purple flower of cup and saucer shapes. Extra fine for arbors and will cling closely to a rough surface. Each 15c, doz. \$1.25.

## HOYA

**CARNOSA.**—(Wax Plant)—A well known house climber, with thick, fleshy leaves and curious waxy flowers, bluish white in color. A favorite for its handsome appearance. It is quite scarce and not always obtainable, but we have a good supply this season. Each 25c.

## IVIES

**ENGLISH.**—An old favorite vine, showy the year round if properly grown. Hardy in the south but will not stand our Iowa winters. Each 10c, large 25c.

**VARIEGATED ENGLISH.**—Foliage very prettily marked with pure white on dark green ground. Handsome as a pot plant in the window or for trailing from the sides of boxes or baskets. Each 15c.

**KENILWORTH.**—An old familiar trailing ivy. Perhaps the best for shaded places or rooms where light is not strong. Each 10c; dozen 75c.

**GERMAN.**—Well known ivy which is very popular as a plant for hanging baskets and vases. Can be grown with very little trouble. Each 10c; dozen 85c.

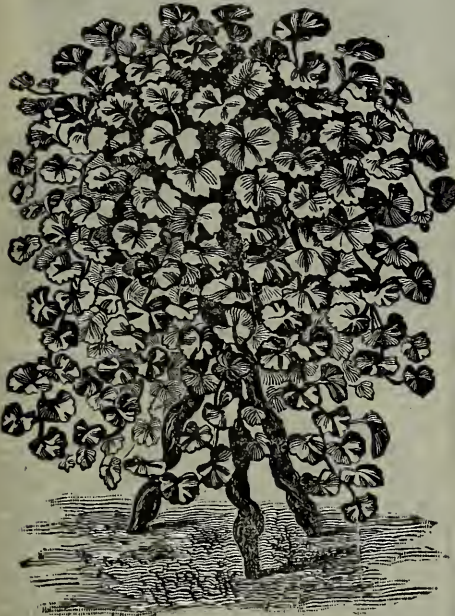
*Received the flowers in fine shape and am well pleased with them. They are all doing well. Thank you for giving my order prompt attention.*—Frances Brandino, Deumaine, Ill.

*I received the seeds and plants in good condition. Thank you for filling my order so promptly.*—Lulu Summer, Hastings, Iowa.

*Plants are received in fine condition. We thank you for the extra.*—A. E. Johnson, Baltimore, Md.



CLERODENDRON.



GLECHOMA



## MANETTA

**BICOLOR.**—One of the handsomest little vines in existence. Easily and quickly grown; blooms continuously. Well adapted for hanging baskets, pot culture, vases or beds. Flower of size and shape shown in our cut, brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Manetta Bicolor blooms constantly and profusely in winter when taken into the house. We heartily recommend this vine to all customers and feel assured of no complaint when tried. Each 10c.

## MOONFLOWER

**WHITE.**—A very handsome climber, growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers. Each 15c, doz. \$1.25.

**BLUE.**—(Ipomea Leari.)—The flowers are a clear satiny blue, with well defined crimson bars, very distinct. Each 15c, doz. \$1.25.

## PARLOR VINE COLLECTION

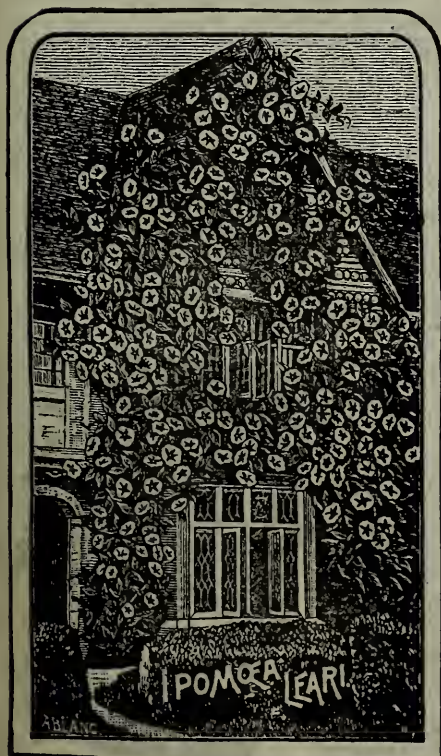
We offer on the next page a beautiful hanging basket collection at a low price, but many will prefer a few parlor vines for separate growing, and we offer you these beautiful little vines to meet this demand: 1 Vinca Major, 1 Saxifraga, 1 Manettia Vine, 1 German Ivy, 1 Kenilworth Ivy. Five fine vines, postpaid for 40c.



COBEA SCANDENS



ENGLISH IVY







PASSION FLOWER  
planted so as to intertwine with the blue or red  
sorts. Each 15c.

### FICUS REPENS

This is a trailing or creeping variety of Rubber Plant, and is useful for baskets, vases, etc. Foliage much smaller than the *Elastica* variety shown on page 109. Each 15c.

### DOUBLE NASTURTIUM

Flowers are large and fully double, different in appearance from any others. Some are bright yellow color and some a rich, dark orange crimson, with shading of a deep mahogany red. It is really a good double flower, 2 to 2½ inches across, which will instantly attract the attention of everyone who sees it. Plant of climbing habit, and fine for trellises, window boxes, vases, etc. It never produces seed. Flowers red and yellow. Each 15c; doz. \$1.25.

### PASSION FLOWER

**MAMMOTH.**—One of the most desirable of all climbing plants. Will climb up a trellis 10 to 12 feet high in a season and cover it all over with pretty leafage and large clusters of handsome flowers. The flowers are 2 to 4 inches across and the colors a remarkable combination of red, white and blue flowers. Each 15c.

**CONSTANCE ELLIOTT.**—A white-flowered mammoth variety which will greatly add to the beauty of both if

### PANICUM

**VARIEGATUM.**—(*Oplismenus*.)—A creeping perennial with narrow leaves, nicely variegated white and pink, green and yellow stripes. Beautiful for baskets, vases and edgings. Sometimes called Dwarf Wandering Jew. Each 15c.

### SMILAX

A well known and handsome climber. Most popular of all vines with florists. Grows compact and upright, and from the manner of growth does not require any great amount of space. Can be trained on a string. Each 10c.

### WE SHIP ANYWHERE

The plants, buds and seeds which you shipped over six weeks ago came to hand in splendid condition, all alive and doing well. Many thanks.

—J. J. McGrath, Ningpo, China.

The plants arrived by mail today in good condition.—Pedro D. L. Santos, Saltillo, Mexico.

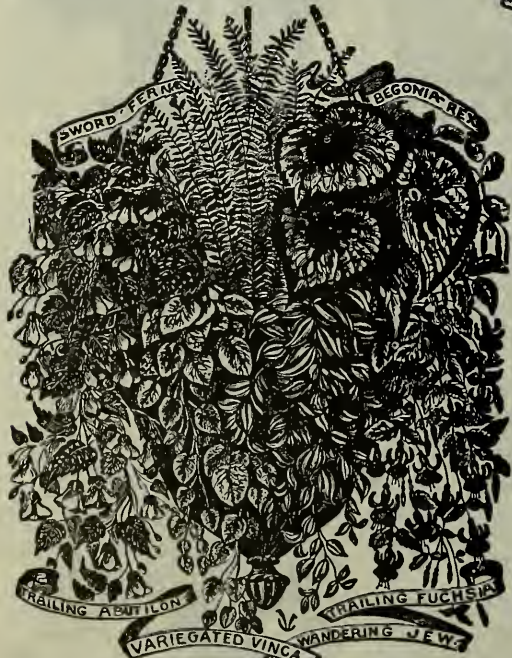
Plants came in fine condition.—Mrs. R. S. Chaeffe, Springfield, Mass.

The plants came safely and are very fine large ones. Am much pleased with them.—Mrs. Emma A. Webb, Stockton, Calif.

I have received the plants in good condition. I thank you.—Prof. E. Gruneberg, Havana, Cuba.

Plants received in perfect order and I am much pleased with them.—Wm. H. Foss, South Berwick, Maine.

The plants were received in good order and are all living and doing nicely.—Mrs. M. E. Emerson, Admire, Kansas.



HANGING BASKET COLLECTION.



SAXA FRAGA

### SAXA FRAGA

**STRAWBERRY GERANIUM.**—The well known, much used old plant for hanging baskets or vases. Long, strawberry-like runners. This is an old-fashioned plant but is still popular and will always be prized for its hardiness and thrifty habit. Will grow vigorously and give satisfaction under the hardest conditions. Plants each 15c; 4 for 50c.

### SOLANUM

**AZUREM.**—A blue-flowered solanum of rapid growth and as free flowering and showy as any of the other varieties. Flowers of deep blue in large panicles. Each 15c.

**JASMINOIDES GRANDIFLORUM.**—This beautiful plant is of trailing habit but if desired it can be cut back to a bush form. It has star-shaped flowers borne in large panicles frequently a foot across. They are pure white with a violet tinge on back; equally good bloomer in summer and winter and is very effective when planted to cover a low wall or trellis. Each 10c; doz. \$1.00.

### VINCA MAJOR

VINCA  
ELEGANTISSIMA.

**ELEGANTISSIMA.**—One of the handsomest vines in existence for growing in window boxes, in hanging baskets, trailing from pots, rockeries, etc. The long, trailing stems of glossy green leaves are broadly margined and variegated with white and they are always bright and pretty. Plants are of easiest culture and grow very rapidly. Does well either in sun or in shade. Blue flowers. Each 10c, doz. \$1.00. Large size plants 25c.

**HARRISONI.**—Similar to above but with darker variegation. Very popular because of strong growth. A well grown plant will completely fill a large hanging basket. Each 10c; doz. \$1.00. Large size, each 25c.

### WANDERING JEW—(Tradescantia)

An old, well known trailing plant, nice for growing in hanging baskets, vases, pots or window boxes. Two sorts with variegated foliage, and also the plain green leaf variety. Each 10c; 4 for 25c.

### HANGING BASKET COLLECTION

This illustration of our popular collection but poorly depicts the great beauty of a hanging basket filled with appropriate plants, well grown and healthy. We have in this collection chosen a half dozen plants which will give splendid results with but little care and may be grown in any home window garden. At the price it is surely an opportunity.

**BOSTON FERN.**—The most popular decorative plant in the entire list. Each 15c.

**REX BEGONIA.**—The most beautiful of foliage plants and a source of much satisfaction. Ea. 25c.

**TRAILING ABUTILON.**—The trailing variety of the well known Flowering Maple. Each 15c.

**VARIEGATED VINCA.**—The most popular vining basket plant on the list. A favorite with all. Each 10c.

**TRAILING FUSCHIA.**—Adding attractiveness with its beautiful flowers and foliage. Each 15c.

**WANDERING JEW.**—The old-fashioned favorite basket plant. Each 10c.

One each of above by mail, postpaid, 60c. Or the six plants and one 8-inch wire hanging basket and moss for lining, all postpaid, for 95c.



IF YOU WANT A HANGING BASKET FOR THE WINDOW GARDEN, WE OFFER A BARGAIN



## HARDY VINES

In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis, ornamental vines, shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property, and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay postage or express charges at these prices.

### AMPELOPSIS

**VEITCHII.**—(Boston Ivy.)—Is a very beautiful hardy climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping foliage, giving it the appearance of being shingled with green leaves. Should be slightly protected the first winter, but after that it will be found entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or woodwork with the greatest tenacity. It is a great protection to houses, as the leaves, lapping over each other like shingles on a roof, effectually prevent the rain from penetrating the walls. For covering dead trees, gate posts, boundary walls, etc., it has no equal. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of crimson, scarlet and orange, so dazzling as to be seen at a great distance. Each 15c; doz. \$1.25. Large plants 25c; doz. \$2.50.

**ENGELMANNII.**—This is an improved Woodbine which bears very large and abundant foliage. Has the upright manner of growth of the Veitchii and is preferred because of its much heavier growth of leaves. Each 15c; large 25c.

**TRICOLOR.**—A beautiful and desirable variety with foliage variegated white and pink. Bears bright blue berries. The best for trailing over rocks or low fences. Each 15c.

### ARISTOLOCHIA

**DUTCHMAN'S PIPE VINE.**—The well known, vigorous and rapid growing climber used so extensively for archways or verandas. It takes its name from the singular brownish colored flowers, resembling in shape a pipe. The leaves are heart-shaped and retain their color from early spring to late fall. Each 25c; large 40c.

### AKEBIA QUINATA

A perfectly hardy, fast-growing Japan vine, producing flowers in large clusters, of chocolate purple color, possessing a most delicious perfume; unsurpassed for covering trellises and verandas; the foliage is never attacked by insects. Each 15c; large 30c.

### APIOS

**TUBEROSA.**—Valuable, hardy, tuberous-rooted climber, resembling in miniature the Wistaria vine, and having clusters of deep purple flowers which have a strong violet fragrance. Plant several bulbs close together to produce a mass of vines and flowers. Each 5c; doz. 50c.

### BITTER SWEET

A native climbing or twining plant; large leaves, yellow flowers, orange capsuled scarlet fruit. One of the most popular of native plants, as its beautiful seed pods are prized for winter decoration. Each 10c; large 25c.

### CHINESE KUDZU VINE

**JACK-AND-THE-BEANSTALK VINE.**—The phenomenal growth of this new Chinese hardy vine can hardly be imagined—sometimes 12 inches a day. The large leaves of bright green afford a dense shade. In valuable for rapidly covering arbors, fences, dead or old trees, rockeries, etc. Perfectly hardy; grow 50 to 75 feet when well established. Each 15c, doz. \$1.50; medium size 25c; large size 50c.

### CINNAMON VINE

A tuberous-rooted, hardy vine which is also listed among the summer bulbs. With its beautiful heart-shaped leaves and clusters of delicate white flowers and cinnamon fragrance, it is a very desirable vine. Large tubers each 10c; 3 for 25c; doz. 75c. Bulblets from which the large tubers can be grown in one season, doz. 10c; 100 for 60c.

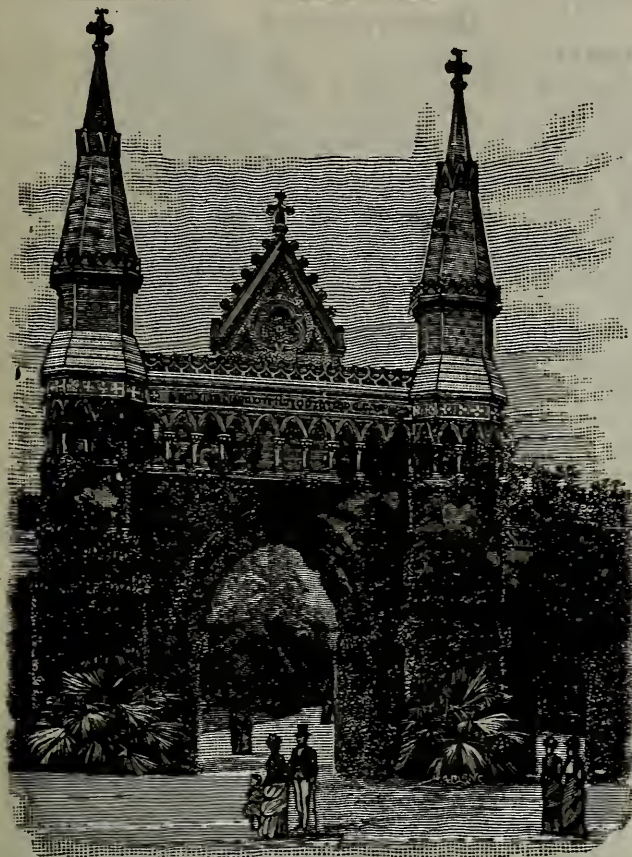
### CHINESE MATRIMONY VINE

**LYCIUM.**—This vine is a very vigorous growing, shrubby climber which is perfectly hardy and desirable for training on trellis, wall or fence. Every new shoot becomes filled with small purple flowers, which are followed by brilliant scarlet berries which remain on the vine until late in the winter. Although the flowers are not showy, the long stems droop gracefully and make an admirable covering for the porch. Each 10c; large 25c.

### CAMELIA VINE

In the Camelia Vine (*Calystegia Pubescens*) we have a flower of true Camelia shape and size, perfectly double and of most beautiful rose color. Of easiest culture, growing well in any soil or location. Vine is of rapid growth, quickly covering trellis or porch and growing to a height of 15 to 20 feet. For best results set 12 to 18 inches apart. Leaves are lance shape, dark green, and lap like shingles. Roots live in ground over winter. Blooms continuously from May to October and pleases everyone. Each 15c; doz. \$1.25.

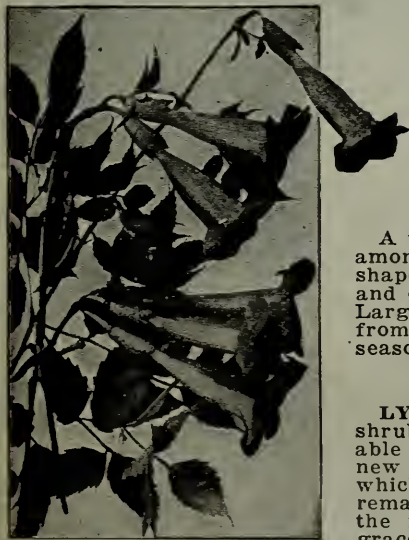
CAMELIA VINE



AMPELOPSIS VEITCHII OR BOSTON IVY

### BIGNONIA

**RADICANS.**—(Trumpet Creeper.)—An old-fashioned hardy climber. Very desirable for covering unsightly places, stumps, old fences, and also fine for any spot when showy flowers are desired. It has clusters of large, trumpet-shaped crimson flowers with orange throat. Grows in almost any soil under trying conditions; hardy. It is one of the most popular of the hardy vines, and is useful and beautiful for any situation where a permanent vine is desired. Each 15c; large plants 25c.



BIGNONIA RADICANS

ARISTOLOCHIA  
They grow to produce





CLEMATIS JACKMANII CLEMATIS HENRYII CLEMATIS PANICULATA

**HARDY CLEMATIS**

The most popular climbing plant of the day, and is constantly gaining in popularity—and why should it not?—as it is hardy, standing our most severe winters with but slight protection; grows rapidly and blooms freely during the entire season.

**JACKMANII.**—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep velvety purple, distinctly veined. It is a prince among all hardy flowering vines. It is especially adapted to open lawns or house fronts in the city or country; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Strong plants, each 50c.

**HENRYII.**—This may be briefly described as a white-flowered Jackmanii. It is the finest of all white sorts; the same size as Jackmanii. Each 50c.

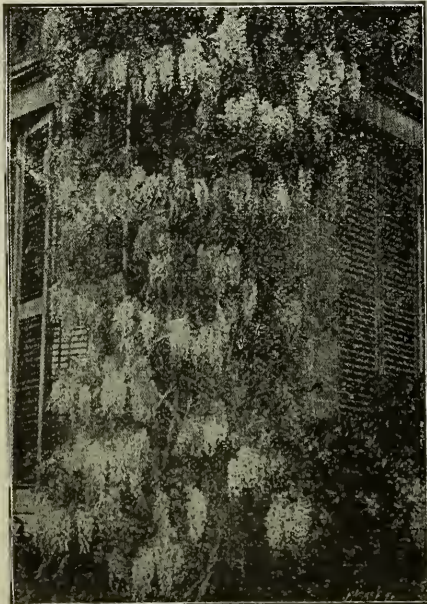
**MAD. EDOUARD ANDRE.**—An entirely distinct and beautiful new variety, being the nearest approach to a bright red ever sent out. Has the same vigorous growth, hardiness and freedom of bloom as the above, while the color is a pleasing carmine red. Each 50c.

**PANICULATA.**—This small-flowered variety of Clematis is one of our most beautiful, hardy, fall-blooming vines. The flowers, which are pure snow-white, are produced in immense clusters, fairly covering the plant with a mass of fleecy-white; deliciously fragrant. Of extreme rapidity of growth. Each 15c; large, extra strong plants 35c.

**COCCINEA.**—A charming variety of Clematis. Flowers are bell-shaped, and of brilliant coral red color. A rapid grower and free bloomer, flowering from June until frost. An herbaceous perennial, about 12 ft. high. Ea. 25c.

**VIRGIN'S BOWER.**—(Clematis Flammula.)—An old-fashioned popular climber, growing to a height of 20 feet, and covered with fragrant flowers. The vine is perfectly hardy, rapid growing, graceful, and will succeed anywhere. Each 10c; large 25c.

**COLLECTION.**—A large plant of each of above kinds of Clematis for only \$1.60, postpaid. A great bargain.



WISTARIA

**HONEYSUCKLE**

**RED CORAL.**—A shrubby climber and one of the most satisfactory of all plants. Has been a favorite for many years. The odd-shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet-shaped flowers almost continuously. Nice for a hedge or for training over a residence. Each 15c; doz. \$1.50. Large plants 25c.

**HALLIANA.**—(Hall's Japan.)—For real home vines to climb over your windows and doorways there is nothing prettier than the Honeysuckles, and the Halliana is considered by many the sweetest and most beautiful of all. It is now planted in many places on terraces and allowed to run naturally, and it makes a lovely show treated in this way. It is a strong, rapid grower, perfectly hardy and almost an evergreen even in this severe climate. Blooms constantly and profusely from June to November. Flowers pure white changing to yellow, and of peculiarly delicious fragrance. Fine for trellises or pillars. Foliage bright, glossy green; makes dense shade. Each 10c; doz. \$1.00. Large, two-year-old plants 25c; doz. \$2.50.

**GOLDEN LEAVED.**—Slender, moderate grower; leaves are beautifully veined and netted with bright yellow; flowers yellow and sweet-scented; fine for pillars and trellises. Each 15c; large 25c.

*I am sending you another order for plants. The plants you sent me last year came all right, and are growing fine.—Mrs. R. F. Welch, Fruitvale, Calif.*



RED CORAL HONEYSUCKLE

**HOP VINE**

A vigorous, hardy, ornamental vine, for covering old trees, outbuildings, fences, etc. Produces the hops of commerce. Grows 50 feet high in a single season. Is both ornamental and useful. Each 10c; dozen 75c.

**SILK VINE**

**PERIPLOCA GRECA.**—Beautiful rapid-growing climber, 30 to 40 feet high; hardy. Leaves glitter like silk, hence name. Flowers purplish brown and borne in clusters. Each 15c; large 40c.

**WOODBINE**

**VIRGINIA CREEPER.**—A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 10c; doz. \$1.00. Large size 20c; doz. \$2.00.

**WISTARIA**

**BLUE CHINESE.**—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom it is magnificent. Each 15c; large 35c.

**WHITE.**—Similar to above; flowers white. Can furnish large plants only. Each 40c.

**HARDY VINE COLLECTION**

One *Ampelopsis*, for the buildings; one *Clematis Paniculata*, for the front porch; one *Honeysuckle*, for the trellis in the front yard or on the lawn; one *Bignonia* (Trumpet Creeper), for the fence or screen. These are specially selected for the purposes mentioned but can be used to advantage in many different ways. We send one each of the beautiful vines postpaid for 40c, or will send extra large, strong plants suitable for immediate effects, by express, not prepaid, for 75c.



# HARDY SHRUBS

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty year after year. Our price is for strong, healthy plants sent by mail postpaid, except if they are quoted "by express" it means that customers are to pay cost of transportation. Those marked large or dormant are strong two-year-old plants. We will help you beautify your home. We can give you helpful advice about planting hardy shrubs and your inquiries will be answered without charge.

## ALTHEA

**DOUBLE WHITE.**—(Rose of Sharon.)—This is generally popular as one of the most beautiful shrubs. The bushes are of neat shape, have nice foliage and would be valuable as ornamental hedge plants even if they produced no flowers. The plants, however, are loaded with large, beautiful flowers during August, September and October. Double white flowers produced in great profusion. Each 15c; large size 25c.

**DOUBLE RED.**—Similar to above but flowers are bright red color. Each 15c; large 25c.

**DOUBLE PURPLE.**—Like above, except flowers are beautiful purple. Ea. 15c; large 25c.

**DOUBLE BICOLOR.**—White, blotched pink. Very beautiful. Each 15c; large 25c.

**VARIEGATED LEAVED.**—The beautiful foliage of this variety attracts attention everywhere. Deep green, bordered with band of creamy white. Flowers red. Each 35c.

## BARBERRY

A well-formed, spiny shrub, growing 2 to 3 feet high and useful either as a specimen plant or for hedges. Described and priced as Hedge Plants, on next page.

## ARALIA SPINOSA

A curious, spiny-trunked, shrub-like tree, also sometimes called Hercules' Club, or Devil's Walking Stick. Valuable for producing tropical effects. Very showy. Each 25c; extra large size by express 50c.



ARALIA SPINOSA

## CALYCANTHUS

A beautiful sweet-scented shrub; is grown as an ornamental plant and is generally known as "Sweet Shrub." Flowers purplish brown, quite double, exquisitely fragrant. Each 15c; large size 25c.

## DWARF HONEYSUCKLE

**RED TARTARIAN.**—The best variety of Lonicera for general planting. Bloom in June with beautiful pink and white flowers, followed by red berries. Is ornamental throughout the season. Each 15c; large 30c.

## EXOCHORDIA

**GRANDIFLORA.**—(Pearl Bush.)—Neat, compact bush; 10 to 12 ft.; can be trimmed any desired shape; pure white flowers borne in slender racemes of 8 to 12 florets each. Each 15c; large size plants each 30c.

ALTHEA  
BICOLOR

## CORNUS

**FLORIDA.**—(White Flowering Dogwood.)—An ornamental and spreading, irregular-shaped tree producing large white flowers in the spring and rich crimson foliage in autumn. Each 15c; large 25c.

**STOLONIFERA.**—(Red Twigged Dogwood.)—A strong growing shrub with clusters of fine white flowers, stem and branches turning blood-red in winter. Is very conspicuous and ornamental. Each 15c; large 25c.

## CORCORUS

**JAPONICA.**—(Kerria.)—A beautiful and graceful shrub from 2 to 3 feet high and is worthy a place on the finest lawn. The quantity of bloom makes it always a prominent feature in any landscape effect. Almost constantly in bloom from June to October. Produces hundreds of large, double, yellow flowers. Each 15c; large plants 25c.

**VARIEGATA.**—A variety of Corcorus with nicely variegated foliage adding greatly to its natural grace and beauty. Each 15c; large 35c.

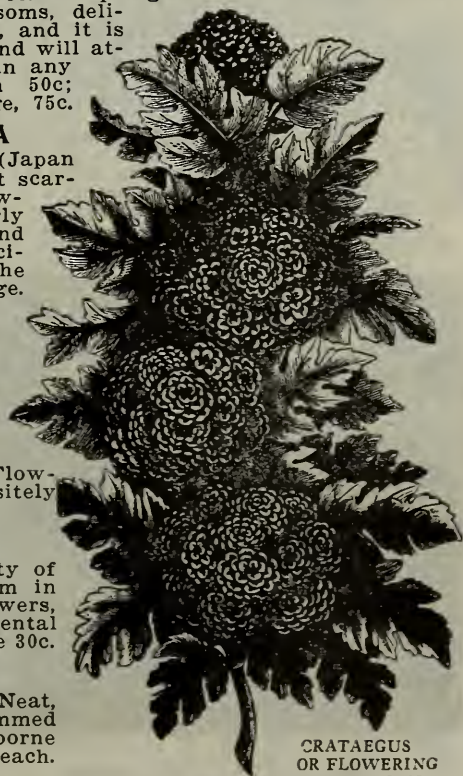
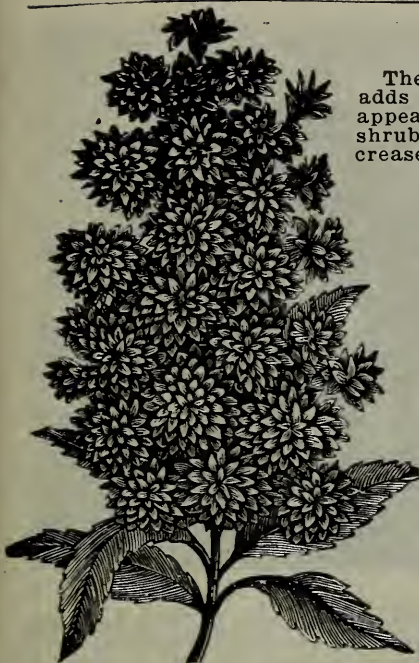
## CRATAEGUS

**DOUBLE RED FLOWERED.**—(The true English Hawthorn.) One of the finest of the large flowering shrubs. Listed generally as

an ornamental tree. In spring it is covered with double, bright red blossoms, deliciously fragrant, and it is very beautiful and will attract attention in any planting. Each 50c; by express, large, 75c.

## CYDONIA

**JAPONICA.**—(Japan Quince.)—Bright scarlet crimson flowers. Bloom early in the spring and are fine for specimen plants on the lawn or for hedge. Each 15c; doz. \$1.50; 100 \$10. Large each 35c; doz. \$3.25; 100 \$20.00.

CRATAEGUS  
OR FLOWERING  
HAWTHORN

PRIDE OF ROCHESTER DEUTZIA

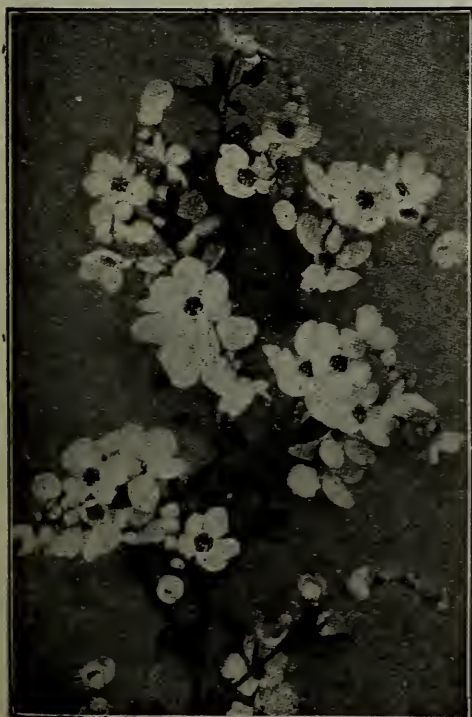
## DEUTZIA

**PRIDE OF ROCHESTER.**—By far the handsomest variety of Deutzias. It is a very desirable shrub of strong, hardy growth, with nice, luxuriant foliage and bearing an abundance of beautiful racemes of double pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these. Each 15c; large plants 30c.

**GRACILIS.**—Pretty, round, bush-shaped Deutzia, blooming freely. Each 15c; large size, each 25c.

**CRENATA.**—Flowers are double white, and tinged with pink. Small 15c; large 25c.

**CANDIDISSIMA.**—It grows about 3 feet high; bears pure white flowers. Each 15c; large plants 30c.



EXOCHORDIA



## ELEAGNUS

**LONGIPES.**—(Japan Oleaster.)—A very desirable shrub with silvered foliage and bright orange berries of large size and agreeable flavor. Each 15c; large 35c.

## FLOWERING ALMOND

**DOUBLE PINK.**—One of the earliest and finest of shrubs. Loaded with double pink flowers which attract attention. Mail size 40c; large, by express, 50c.

**DOUBLE WHITE.**—Like above, but with snowy white flowers. Mail size 40c; large, by express, 50c.

## FLOWERING CURRANT

The old fashioned, large growing Missouri Flowering Currant; grows 6 to 8 ft. high, bearing yellow flowers. Foliage finely cut, attractive. Each 10c; large plants 25c.

## FORSYTHIA

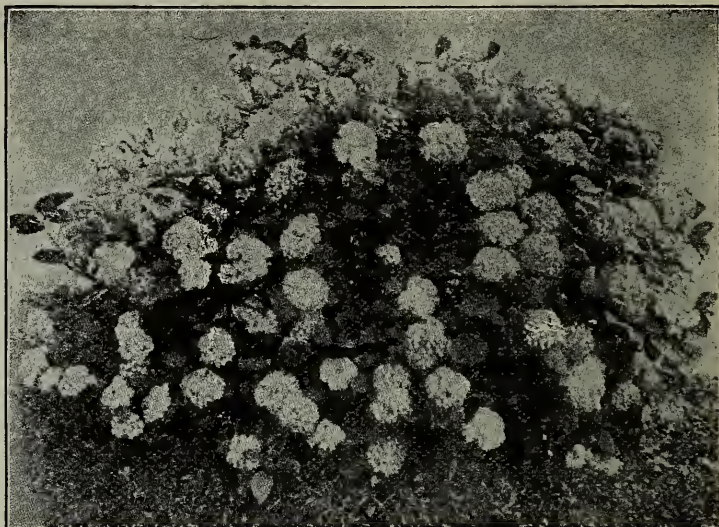
**SUSPENS.**—(Golden Bell.)—A fine, hardy shrub of weeping or pendulous habit; deep green leaves and bright yellow flowers. Blooms early. Each 15c; large 25c.

**FORTUNIS.**—A more upright growing variety; yellow. Each 15c; large 25c.

**VIRDISSIMA.**—Blooms among first shrubs. Flowers yellow, drooping and in great numbers. A variety originally from China. Each 15c; large 25c.

## HYDRANGEA

**NEW SNOWBALL.**—(Arborescens Grandiflora Alba.)—A magnificent new variety of the hardy hydrangea. Flowers are borne much more profusely than on the *Paniculata* and though the blooms are not so large they are pure white and more like the Snowball. Comes in bloom in July and August at a time when flowers of this type are scarce and is especially valuable for this reason. We believe this will become very popular and give satisfaction. Each 15c; large 40c.



NEW SNOWBALL HYDRANGEA

**PANICULATA GRANDIFLORA HYDRANGEA.**—Grandest and most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Is unsurpassed for the lawn, a hedge, or cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities and in July for two or three months, the flowers are massive, cone-shaped, sometimes ten inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red. Each 10c; doz. \$1.00. Per 100, by express, \$7.00. Large dormant plants, each 30c; doz. \$2.50. **Special.**—Two-year-old plants grown specially for hedges, by express, per 100, \$12.75; 25 for \$3.50.

**TREE HYDRANGEA.**—Large, specially grown plants of *Paniculata Grandiflora* in symmetrical tree form. Each, by express, 75c.

## LILAC

**PERSIAN.**—A well known and strong growing shrub, bearing large, fragrant clusters of purple flowers very early in spring. Each 20c; large 35c.

**FIERY PLUME.**—A novelty in lilacs. The brightest and nearest red flower of all the lilacs. Very showy and desirable. Each 25c; large plants 50c.

**NEW DOUBLE WHITE.**—This is a recent novelty of great merit and the finest flowering shrub introduced for many years. The truss is of large size, and produced in profusion. The individual flowers resemble miniature tuberose. Each 25c; large plants 50c.

**COMMON.**—The old standard variety with bluish purple flowers. Each 15c; large 25c.

**SINGLE WHITE.**—Like above, but has white flowers, making it more desired by some. Each 15c; large plants 35c.



HEDGE OF HYDRANGEA PANICULATA GRANDIFLORA

## HEDGE PLANTS

Ornamental hedges are very popular, especially among dwellers in towns and cities and are used for boundaries and screens. Most desirable for landscaping as they add an effect not secured in any other way.

**PRIVET.**—*California.*—A most vigorous grower of compact and regular form; foliage a beautiful shade of glossy, wax-like green which it retains well into the winter, being almost an evergreen. Sometimes winter kill in this latitude but is hardy throughout the east and south. For hedges plant 8 to 10 inches apart. Strong one-year-old plants per doz. 75c; per 100 \$6.00, prepaid. By express, per 100 \$5.00; 500 for \$17.50.

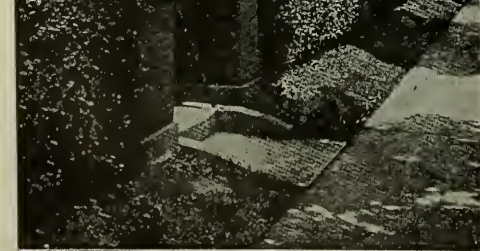
**Amurensis.**—Hardy; handsome as above; glossy leaves and almost an evergreen. Fine for the north as it stands severest winters. Ea. 15c, doz. \$1.50, 100 \$11.50, prepaid. By express, per 100 \$9.00.

**HYDRANGEA.**—*Paniculata Grandiflora.*—Description and price above.

**SPIREA.**—*Van Houtte.*—Described on next page. By express, per 100 \$8.00; large plants \$14.00.

**BARBERRY.**—*Purple Leaved.*—Handsome hedge plant; foliage always clean; deep, rich plum color; does not fade out in summer. Each 15c, doz. \$1.50, postpaid. Extra large, strong specimen plants 35c, \$3.00 per doz. By exp., 100 \$12.00.

**Thunbergii.**—Very pretty variety from Japan; dwarf, graceful habit; foliage is small, changing to beautiful bright red early in fall; showy. One of the prettiest hedge plants grown. Ea. 15c, doz. \$1.50. Large 25c, doz. \$2.50. By express, 100 for \$14.00.



HEDGE OF CALIFORNIA PRIVET



HEDGE OF BARBERRY

IF YOU WANT ANY KIND OF SHRUBS, EITHER LARGE OR SMALL, IN QUANTITY, WRITE FOR PRICES



**POTENTILLA**

**FRUITICOSA.**—A small, bright-flowered shrub that grows well in moist situations. Growth upright, leaves narrow, silky; peculiar shreddy bark. Bright yellow flowers continuously from July. Each 15c, large 25c.

**PURPLE FRINGE**

Commonly called Smoke Tree. A large shrub with long, feathery flower stalks, giving it the appearance of being covered with a cloud of smoke. Each 15c, large 40c.

**ROBINIA**

**HISPIDA.**—Various known as "Sweet Pea Shrub," "Flowering Locust," "Moss Locust," and "Rose Acacia." The shrub of shrubs for bouquet makers. When in bloom it is really a big bouquet itself, full of dainty sprays of large, lovely, rose-pink blossoms of size and shape of sweet peas. Each 25c.

**SAMBUCUS**

**GOLDEN LEAF ELDER.**—Another year only adds to our high opinion of this shrub. It is the most showy of all shrubs for the lawn. Grows to a height of about 6 feet and has wide spreading branches. Its leaves are of dark, dazzling yellow color. Each 15c, doz. \$1.50. Large plants 30c.

**VARIEGATED.**—A variegated green and white sort. Each 15c, large plants 35c.

**CUT LEAVED.**—Elegantly divided leaves. Each 15c, large 30c.



**SPIREA VAN HOUTTEI (Bridal Wreath)**

followed by brilliant scarlet fruit in showy bunches in winter. Each 15c, large plants 30c.

**WEIGELIA**

**ROSEA.**—No shrub in our large collection has attracted more attention. It is of robust but graceful growth, five to seven feet high, and produces immense numbers of superb large trumpet-shaped flowers in June and July, and also some in the fall. The plants frequently have more flowers than leaves. Flowers shade from dark pink to nearly white in same cluster. Each 15c, doz. \$1.50. Large 25c, doz. \$2.50.

**EVA RATHKA.**—A splendid new variety and perhaps the handsomest yet produced. Large purplish red flowers with rich, creamy white markings. Each 20c, large 40c.

**VARIEGATED.**—A neat, dwarf shrub, valuable for the clearly defined variegation of green, yellow and pink in its leaves; flowers delicate pink. A fine variegated-leaved shrub. Each 15c, large plants 35c.

**GRANDIFLORA WHITE.**—Like the Eva Rathka and equally as desirable. Flowers are pure white without shade or markings. Each 15c, large plants 35c.

**A GREAT SHRUB OFFER**

Our special bargain of hardy shrubs. There is just enough to afford an opportunity for effective planting in the ordinary building spot.

A choice collection for permanent planting: 1 Deutzia, Crenata; 1 Forsythia; 1 Spirea, Anthony Waterer; 1 Hydrangea, Paniculata Grandiflora; 1 Weigelia, Rosea; 1 Cydonia; 1 Syringa; 1 Climbing Honeysuckle; 1 Potentilla; 1 Althea.

All postpaid 88c. Large two-year-old plants by express, not prepaid, \$2.00

**SWEET PEPPER BUSH**

(Clethra.)—One of the handsomest of our native shrubs; pure white; delicious flowers in July and August. Each 15c, large 25c.

**SYMPHORICARPUS**

**RACEMOSUS.**—(Snowberry.)—Bear small pink flowers, followed by large white berries, which hang on most of the winter. Very showy and desirable. Small plants 10c, large 25c.

**VULGARIS.**—(Coral Berry.)—Is like above; has small red fruit. Each 10c, large plants 25c.

**SYRINGA**

**GRANDIFLORA.**—Is one of the strongest growing varieties with lovely, large, very fragrant flowers. Each 15c, large 30c.

**LE MOINEI.**—A charmingly fragrant variety. Flowers yellowish white. Each 15c, large 30c.

**SPIREA**

**BILLARDII.**—A strong growing variety; pink flowers. Each 15c, large plants 35c.

**PRUNIFOLIA.**—A plant of symmetrical growth; bears long, graceful sprays of pure white flowers in great profusion. Blooms in May. Perfectly hardy and always satisfactory. Each 10c, large plants 25c.

**DOUGLASSII.**—Somewhat larger flowered than Billardii. Spikes of deep rose-colored flowers. Each 15c, large plants 25c.

**ANTHONY WATERER.**—Makes a dwarf bush 18 to 36 in. high, covered from spring until late in fall with large heads of crimson flowers. Fine for borders and hedges. Ea. 10c, doz. 85c; large 25c, doz. \$2.00.

**VAN HOUTTEI.**—(Bridal Wreath.)—The hardiest of all Spireas. The bushes form fine compact clumps, the pure white flowers borne in such masses that they form great plumes, drooping gracefully, giving the appearance of a snow-bank of white bloom. Each 15c, doz. \$1.25, 100 \$8.00. Large, each 25c, doz. \$2.00, 100 by express \$14.00.

**THUNBERGIA.**—Slender, gracefully drooping branches. Has single white flower. Blooms early. Each 15c, large plants 30c.

**SNOWBALL**

**COMMON.**—A well known and popular shrub covered with dense white flowers, which gives it its name. Each 15c, large plants 25c.

**JAPAN.**—A valuable improvement on the common Snowball; the flowers are smaller and more numerous, frequently as many as 20 on a stem 18 in. long. Each 15c, large 35c.

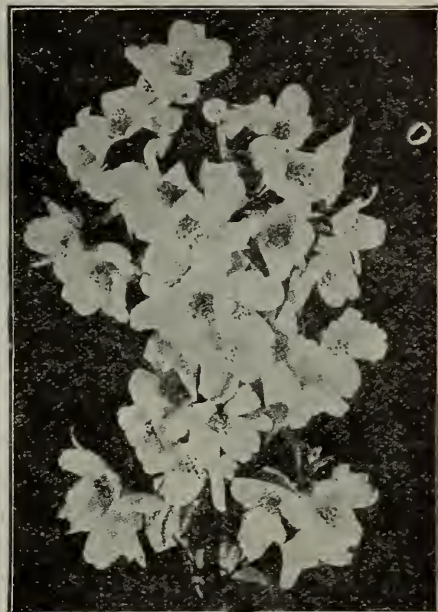
**TAMARIX**

Foliage light, feathery and graceful; sage blue in color and very charming. Blooms through summer and autumn; flowers pink. Each 10c, extra large plants 35c.

**VIBURNUM**

**OPULUS.**—(High Bush Cranberry.)

—Handsome and dense foliage; the flowers white in drooping flat cymes, remaining on the plants all



**GRANDIFLORA SYRINGA.**



**JAPAN SNOWBALL**



**WEIGELIA ROSEA**



## HARDY PERENNIAL PLANTS

It is really wonderful the immense demand which there has been for these hardy plants during the past few years, our trade in this line multiplying fourfold every year. Our customers are learning that they require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These varieties are all hardy, the tops dying down every winter, but coming up again in the spring. Cover with leaves or litter after ground is frozen. We prepay the postage on all of these.

### ANEMONE

**WHIRLWIND.**—This beautiful Japanese Anemone has proved one of the finest hardy fall-blooming plants in cultivation, growing to a height of 3 feet, and holding up on stiff stems double flowers from two to three inches across, of pure white, and heavy, waxy texture. A large bed of this is worth going miles to see, and the large, graceful flowers are fine for cutting. Each 15c, doz. \$1.50.

**QUEEN CHARLOTTE.**—Similar to above but earlier and of beautiful shell pink color. An early flowering pink Anemone. Each 15c, doz. \$1.50.

### ACHILLEA

**THE PEARL.**—Beyond question the finest of all plants for cemetery planting. The flowers are good sized, forming a beautiful plant 18 inches high, completely covered with pure white flowers from July until frost. We cannot too highly recommend this for general planting. Cut

shows the heads of bloom which cover the plant. Each 10c, doz. 75c.

**MILLIFOLIUM ROSEUM.**—Finely cut, deep green foliage. Bears a mass of handsome, bright pink flowers in heads or umbels. Well worth growing, both as a border plant and for cutting. Each 10c, doz. \$1.00.

### ANTHEMIS

**GOLDEN.**—A fine yellow flowered perennial; a continuous bloomer the entire summer notwithstanding both wet and dry weather. The flowers are of the exact form of a Marguerite daisy but clear yellow. Each 10c, doz. \$1.00.

### AQUILEGIA

These beautiful flowers, often called Columbines, are always beautiful and attractive, reminding one of the woods. Many handsome colors. Each 15c, doz. \$1.25. Large clumps 25c.

### ASTILBE

**JAPONICA.**—(Spirea Japonica.) — Hardy everywhere, growing about two feet high, in compact shape, with handsome foliage, from above which rise its panicles of small, feathery white blossoms, the embodiment of grace and delicacy. Give a half-shaded position. Each 15c.

### ARABIS

**ALPINA.**—A very desirable early spring flowering plant for edgings and borders. Forms dense growth and is completely covered with pure white flowers. Each 10c, doz. \$1.00.

### ARUNDO DONAX

An ornamental plant having wide, but grass-like foliage variegated white and green. Very showy and desirable for bedding. Each 15c, doz. \$1.50.

### ASCLEPIAS

**TUBEROSA.**—Butterfly Flower.—Bright orange flower; very showy. Plant is a native perennial, growing about two feet high, blooming beautifully in July and August. Each 15c.

### ALYSSUM

**SAXTILE COMPACTUM.**—A fine plant for rockeries or for borders, growing about 12 in. high; produces bright yellow flowers in masses. Each 15c, doz. \$1.50

### BABY'S BREATH

(Gypsophila Paniculata.)—This possesses a grace not found in any other perennial, and when in bloom it forms a symmetrical mass 2 to 3 feet high, of minute white flowers, giving it a beautiful mist-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers. Each 10c, doz. \$1.00.

### DOUBLE BUTTERCUP

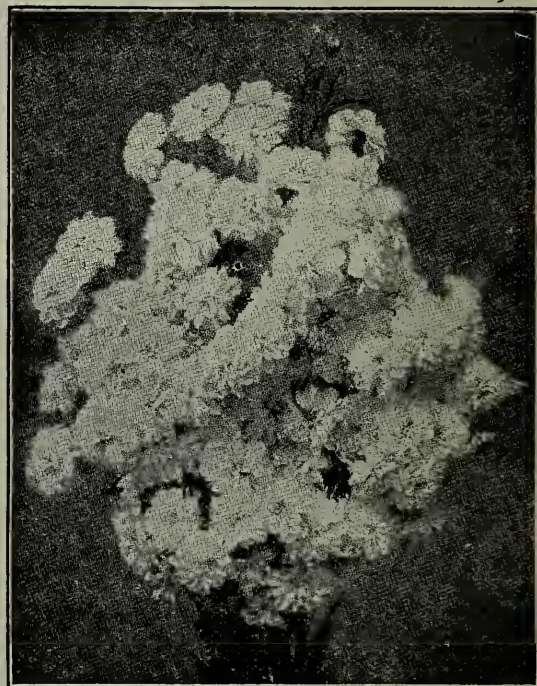
This is a dainty little novelty. The flower is from one-half to three-fourths inch in diameter, perfectly double and of a peculiarly shining bright yellow color, giving it an appearance as though varnished, and blossoms are produced in the greatest profusion. The ladies as well as the children go into ecstasies over them. Each 15c, doz. \$1.50.

### CANTERBURY BELLS

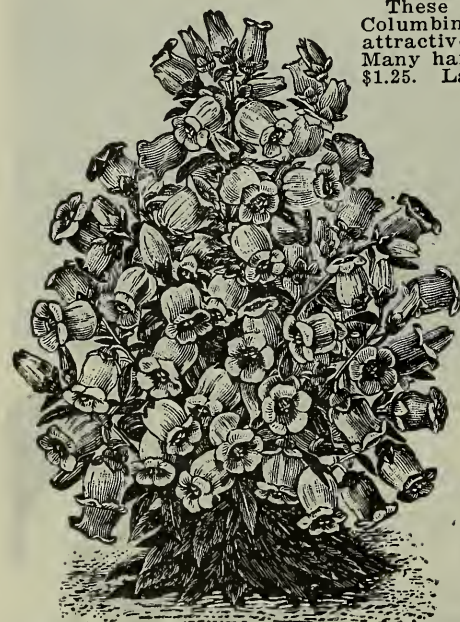
We can furnish assorted colors. These are wonderfully fine perennials, which if well grown will often reach 3 feet in height. Color of flowers blue, rose or white. Each 10c, doz. \$1.00. Field grown clumps, each 25c.

### DICENTRA—(Bleeding Heart)

**SPECTABILIS.**—The old Bleeding Heart, as lovely as ever. In early spring it bears its long chain of pendulous bloom of exquisite beauty. One of the most satisfactory of permanent plants, and a general favorite. To secure best results keep soil loose and rich. Each 15c, doz. \$1.40.



PEARL ACHILLEA



CANTERBURY BELLS



BLEEDING HEART

OUR HARDY PLANTS ARE TESTED AND TRIED AND WILL GIVE SATISFACTION TO NORTHERN PLANTERS



**COREOPSIS**

**GRANDIFLORA.**—Very desirable for permanent plantings, producing flowers of bright yellow from June until frost. The flowers last a long time in bouquets. Each 15c, doz. \$1.50.

**COLUMBINE**

Columbines are old favorite late spring and early summer blooming plants. Often called Wild Honeysuckle, and some varieties are found growing wild in various portions of the country. They grow about 2 feet high and succeed in any ordinary garden soil. The varieties offered are a selection of best kinds. Ea. 15c, doz. \$1.25. Large clumps each 25c.

**DAY LILY**

**WHITE.**—(Funkia.)—A very beautiful plant for partly shady places. Large, round, heart-shaped leaves, clusters of fragrant, lily-shaped white flowers. Each 15c, doz. \$1.50.

**BLUE.**—Like above only flowers are of a lovely blue color, borne on tall spikes. Each 10c, doz. \$1.00.

**VARIEGATED.**—Beautifully mottled dark green and pure white leaves, lilac flowers. Each 15c, doz. \$1.50.

**ONE EACH OF THE THREE VARIETIES OF DAY LILY POSTPAID FOR 30c.**



**CRIMSON EYE Hibiscus**  
**HIBISCUS**

**CRIMSON EYE.**—This elegant Hibiscus is a robust grower, with red stems and green foliage. The flowers are immense in size, often measuring 20 inches in circumference. The color is of purest white, with a large spot of deep velvety crimson in center of each flower. It will succeed anywhere; is perfectly hardy. Each 15c, doz. \$1.25. Extra large plants, each 20c.

**MOSCHEUTUS**—Also called Swamp Rose Mallow. A splendid pink Hibiscus, with eye of darker shade, free flowering and beautiful. Each 10c, doz. \$1.00.

**MEHANS' MARVEL MALLOW**

A magnificent new strain of hardy Mallow, which for size and profusion of bloom and richness of coloring are among the most beautiful and striking perennials. Blossoms are from 8 to 10 inches in diameter and the colors range from fiery crimson to pure white. All the various shades of pinks and reds are rich in coloring and striking in brilliancy. Each 20c, doz. \$2.00.

We can supply seed of Mehan's Marvel Mallow, mixed colors. Pkt. 5c.



**GAILARDIA GRANDIFLORA**

**DELPHINUM**

**FORMOSUM.**—(Hardy Larkspur.)—Its long spikes of bright blue flowers are produced continually from June until frost. Handsome in clumps. Each 15c, doz. \$1.50.

**GAILARDIA**

**GRANDIFLORA.**—Begin to flower in June and continue one mass of bloom the entire season. Will thrive in almost any position or in any soil, but respond freely to liberal feeding. Being perfectly hardy, they require absolutely no protection. The flowers are large, from 2½ to 3½ inches in diameter. They are produced on long stems, excellent for cutting and of gorgeous coloring. Center is dark reddish brown. Petals brilliant scarlet, crimson orange and vermilion. Each 15c, doz. \$1.50.

**HELIANTHUS****MULTIFLORUS PLENUS.**

This should be in every garden and will give entire satisfaction. Flowers from 2 to 4 inches in diameter, double as any double dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. Give it a sunny position and a rich soil. Each 15c, doz. \$1.25.

I am very much pleased with the plants you sent. Both of the orders arrived in excellent condition, and if they don't live it will be my own fault.—Miss Ida Haas, Dakota, Ill.

**CEMETERY COLLECTION OF HARDY PLANTS**

Chosen for cemetery planting because they will grow continuously, bloom freely, and require but little care.

2 Pearl Achillea, 1 White Hardy Pink, 1 Hardy Candytuft, 1 Armeria (Sea Pink), 2 Creeping Phlox, 1 Green Myrtle, 8 fine plants in all, postpaid for only 50c.



**HELIANTHUS MULTIFLORUS PLENUS**



**FOXGLOVE**  
**FOXGLOVE**

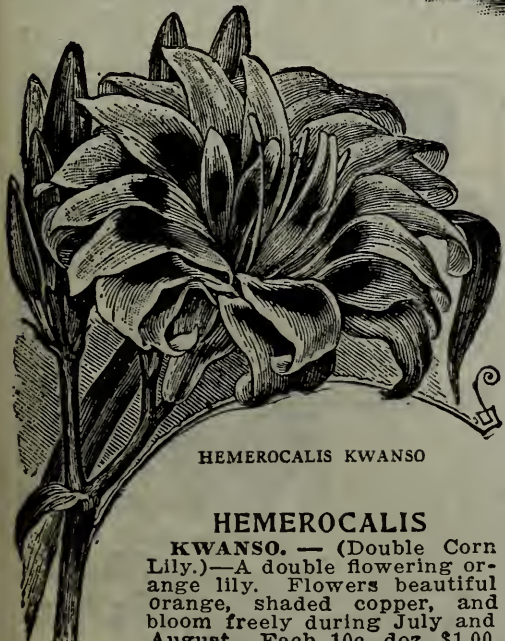
(Digitalis.)—These are most satisfactory summer flowering hardy perennials, succeeding under almost all conditions, and with but trifling attention will give wealth of flowers during June and July. They are used extensively with good effect in shrubberies and in other shady situations. Each 10c, doz. \$1.00. Large clumps 25c.

**BISHOP'S SILVER BEDDER**

(Aegopodium.)—Splendid ornamental plant, extremely hardy, coming up each season with increased vigor. Grows about 10 to 15 in. high, has beautiful foliage, the leaves resembling somewhat the ampelopsis in form. Leaves are brilliant green, bordered a clear white, and the contrast is very pleasing and effective. It is fine for solid beds for permanent location and can be used with good results for borders of flower beds or hardy gardens. It is especially desirable for planting close to porches and house foundations as it stands adverse conditions. Each 15c, doz. \$1.50.

**HOLLYHOCK**

These old favorites are again becoming popular. Both showy and desirable for massing and backgrounds. Mixed colors, including black, white, pink, yellow and red. Each 15c, doz. \$1.50.



**HEMEROCALIS KWANSO**

**HEMEROCALIS**

**KWANSO.**—(Double Corn Lily.)—A double flowering orange lily. Flowers beautiful orange, shaded copper, and bloom freely during July and August. Each 10c, doz. \$1.00.

**NO CLASS OF PLANTS WILL GIVE BETTER SATISFACTION THAN THE HARDY PERENNIALS**



## GERMAN IRIS

The true "Fleur-de-Lis," the national flower of France. Perfectly hardy, thrive anywhere, grow and bloom luxuriantly. Any of the German Iris below, 10c each, doz. \$1.00. Large field-grown clumps each 30c, doz. \$3.00.

**ALEXANDER HUMBOLDT.**—Standards violet, falls purple, veined white. Large, bold flower in clusters of five on strong stems.

**CELESTE.**—Large open flower of pure celestial blue, changing to porcelain blue as it ages. Profuse blooms well above the foliage.

**FLAVESCENS.**—Standards cream white, falls primrose veined bronze. Tall growing, late blooming variety.

**FLORENTINA.**—Rich indigo blue throughout. Flowers large, first in bloom and quite lasting. A very satisfactory sort.

**FLORENTINA ALBA.**—The best white iris. A lovely soft shade of color, very early and fine. Plant with Florentina for contrast.

**HONORABLE.**—Standards bright yellow, falls chestnut brown, veined white. Free bloomer. Striking in contrast planting.

**LA TENDRE.**—Standards lavender, falls light blue, thickly veined violet. A very pleasing, clean, bright color.

**MADAME CHEREAU.**—Pearly white, edged with broad margin of violet. Flowers crumpled beautifully. A satisfactory late variety.

**PRESIDENT THIERS.**—Standard mauve, penciled brown at base. Falls purple, striped brown and white. Tall and vigorous.

**PLUMERI.**—A clear wine red throughout. A distinct color in Iris. Plant throws tall stalk and is a free bloomer.

**SANS SOUCI.**—Unique color combination, violet and yellow, flushed apricot. Blooms freely and holds its flowers well.

**SHAKESPEARE.**—Standards light yellow, veined seal brown, falls deep carmine violet. Striking in beauty, with clean cut colors.

## JAPANESE IRIS

These magnificent Iris are among the most beautiful of the summer-flowering plants. Of immense size, and their coloring is exquisite. Think of a plant sending up to a height of three feet, a dozen flowering spikes, each one bearing two to four blossoms eight or ten inches across, and of the most beautiful markings and combinations of colors—white, indigo, purple, blush, yellow, etc. Except the Orchid no other can compare with this delightful

flower; as easily grown as a potato, in any good garden soil, if kept thoroughly wet. Plant with full exposure to sun. Once planted, there is a joy for a lifetime, blooming profusely in June and July. Double mixed, each 15c, doz. \$1.50. Single mixed, each 15c, doz. \$1.25.

### IRIS SIBERICA

A favorite variety with blue flowers. Foliage is smaller and much finer than the German Iris and more nearly resembling the Japanese. Each 15c, doz. 60c.

### IRIS PUMILA

A dwarf, early blooming variety, quite desirable for borders and edgings. Violet blue flowers. Each 5c, doz. 50c, 100 \$3.00.

### SUCCESSION IRIS BED

One plant each of the twelve named sorts of German Iris, giving a contrast of color from first early spring to the middle of June. Also two Siberian Iris and two Pumila Iris. In all, sixteen choice Iris of different types and colors, postpaid, for only \$1.50. This collection in field-grown clumps for immediate effect, price is \$3.50.



PLATYCODON

On strong plant of each of the seven named varieties of Garden Pinks, postpaid for 60 cents.



PERENNIAL CANDYTUFT

### MYRTLE

**GREEN.**—A handsome trailing plant largely used for cemetery planting. Has beautiful, glossy, dark green leaves which form a mat over the surface of the ground. Flowers heavenly blue. Each 10c, doz. 90c, 100 for \$6.00.

### PLATYCODON--(Wahlenbergia)

A bushy herbaceous plant 2 to 3 feet, with handsome, deep green foliage and bearing grand clusters of beautiful large bell-shaped flowers; blooms very profusely and continuously all summer if flowers are removed as soon as they begin to fade. Flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of blue, lavender and white. The plants increase in size from year to year and are sure to please. Single flowered, each 15c. Large, each 25c.

### HARDY GARDEN PINKS

Dwarf hardy garden plants that will grow anywhere and increase in beauty every year. A universal favorite because of delightful, clove-like fragrance.

**LAURA WILMER.**—A choice variegated sort of great beauty. Each 10c, doz. \$1.00.

**ABBOTSFORD.**—Deep carmine, marbled with white, clove fragrance. Each 15c, dozen \$1.25.

**ELSIE.**—Bright rose with maroon center. A general effect pleasing and attractive. Each 15c, doz. \$1.50.

**WHITE RESERVE.**—Clear white. Ea. 15c, doz. \$1.50.

**HER MAJESTY.**—A grand variety; plants grow to immense size, spreading and producing immense numbers of pure white, double flowers. Each 10c, doz. \$1.00.

**HOMER.**—Flower contains a dark center in a bright red ground color. Each 15c, doz. \$1.50.

**MIXED VARIETIES.**—Desirable for large beds or borders. Doz. 65c, 100 for \$4.00. Large clumps of named varieties of Garden Pinks, 25c each, per dozen \$2.00.



GERMAN IRIS

### IBERIS

**SEMPERVIRENS.**—(Perennial Candytuft.)—A dwarf plant producing clusters of handsome white flowers. One of the finest perennial plants for mass bedding. A mat of bloom in spring. Each 10c, doz. 90c.

### LATHYRUS

**PERENNIAL PEAS.**—The sweet pea which will remain permanently in the beds or rows as planted. We can supply them in choice mixtures of colors. Each 10c, dozen \$1.00.

### LINUM

**PERENNE.**—A variety of perennial flax with graceful foliage and bearing flowers of light blue. Very attractive. Ea. 10c, doz. \$1.00.

### LYCHNIS

**CHALCEDONICA.**—(Firefly.)—An old favorite, bearing large heads of bright scarlet flowers. Each 15c, doz. \$1.25.

**HAAGEANA.**—(Maltese Cross.)—More dwarf than above, but produce fine orange scarlet flowers. Each 15c, doz. \$1.25.

### MONARDIA

**DIDIMA.**—(Oswego Tea.)—The flowers bright scarlet, produced in spikes. Each 10c, doz. 75c.



HARDY GARDEN PINK

HARDY PLANTS IMPROVE YEAR AFTER YEAR. THE STRONGER THE PLANT THE BETTER THE FLOWER



# Paeonies



## WHITE PAEONIES.

**FESTIVA MAXIMA.**—By far the finest double white paeony grown. The flower is of immense size, perfectly globular, the guard petals being large, while the inner petals are crimped, thus making it appear extremely double. The color is of the purest snow white with sometimes slight carmine marks in the center. Our price only 50c. doz. \$5.00.

**QUEEN VICTORIA.**—Very double and compact; color flesh white, white center, petals lightly spotted with red. A half dozen of these make a magnificent bed. Each 25c. doz. \$2.50.

**GOLDEN HARVEST.**—This is probably the nearest approach to a yellow Paeony. Outer petals light bluish, light yellow center. Very prolific, bearing flowers in clusters of three. Ea. 60c. doz. \$5.50.

**MARIE LEMOINE.**—A rare and magnificent variety; flowers are enormous, opening a light blush pink, changing to white when flower is mature. Very late bloomer. Scarce. Ea. 65c. doz. \$6.50.

## PINK AND ROSE PAEONIES.

**"ALL-AGLOW."**—Iowa Seed Co.'s magnificent pink. Well described by its name; outer and guard petals are a delightful pink, while entire center is rich salmon tint. Flowers are extra large and intensely brilliant; blooms from medium early till very late. One of the best pink Paeonies in existence. Each 35c. doz. \$3.50.

**VICTORIA TRICOLOR.**—Is a very large, full flower; outer petals pale rose, inner petals white and center bright rose, thus showing three shades of color, from which it takes its name. Each 25c. doz. \$2.50.

**FLORAL TREASURE.**—One of the finest in the entire list. The flowers are extra large and very double; exceedingly prolific; color soft, delicate blush pink. Each 40c. doz. \$4.00.

**LA ESPERANCE.**—An exceedingly fine vivid rose-colored flower, growing compact and highly perfumed. Early and free flowering. Each 25c. doz. \$2.50.

**JENNY LIND.**—A lovely shell pink colored flower of extra size and early blooming. Plant strong and free flowering. One of the best of the light tinted sorts. Each 25c. doz. \$2.50.

**ANDRE LAURIES.**—A very double flower of deep, bright rose. Blooms late in season. Strong, robust grower. Each 25c. doz. \$2.50.

**HUMEII.**—Very large and full and one of the finest; color bright pink and delightfully fragrant. Elegant foliage; a fine specimen for the lawn. Blooms late. Each 25c. doz. \$2.50.

**PAEONY COLLECTION**—Six fine Paeonies, including one of our beautiful "All Aglow;" the other all different; ppd. \$1.00



## PAEONIES

The Paeony is truly a most noble flower and rivals the rose in brilliancy of color and perfection of bloom, while greatly surpassing it in size and stately grandeur. One writer has well said that the "Paeony fully equals the rose except in poetry, perfume, thorns, bugs and disease." They are of the earliest culture, most vigorous habit, and free from disease and insects. The foliage is rich, glossy and ornamental, even when plants are not in bloom. Many of the newer varieties are quite fragrant and no other flower is so well adapted for large and showy bouquets. Plant the paeonies this year, plant lots of them in rows, beds or as specimen plants on the lawn. They make a grand show. May be transplanted either in spring or fall. Set out early in spring as possible. Fall planting should be done in September or October, and they should be protected the first winter slightly. They may be left undisturbed for twenty years or more. In planting set the crowns two inches below the surface. We pay the postage.

## OUR PAEONY BARGAIN

One white, one pink, and one red, our choice of varieties, but good plants and will produce good flowers. A real bargain this season.

**3 DIFFERENT COLORS,**  
Postpaid for 50c.



LA ESPERANCE

## BRIGHT AND DARK RED PEONIES.

**RUTH.**—Color of the American Beauty Rose. An especially choice sort. Foliage rich, glossy green, ornamental even when the flowers are not in bloom. Flower is of large size, perfectly double. Each 25c. doz. \$2.50.

**MARECHAL VALIANT.**—Beautiful solid flower of deep rose color, differing from most sorts in the solid flower having practically no division of outer petals and center. Very double; late flowering. Each 35c. doz. \$3.50.

**GRANDIFLORA RUBRA.**—Has extra large balls of blood red, magnificent flowers. Probably the largest red variety in existence, often 8 or 9 inches across. Give it rich soil and you will be surprised. Each 50c. doz. \$4.75.

**RUBRA TRIUMPHANS.**—An early blooming and very sweet-scented flower of rich, brilliant, glowing, satiny crimson color. Each 35c. doz. \$2.00.

**POTSII.**—Color deep, dense, bright crimson; a free bloomer. A beautiful and desirable variety. Each 25c. per dozen \$2.50.

**PRINCE IMPERIAL.**—Deep purplish crimson, shining and satiny. Flower very double; rich and striking; early. Splendid sort for contrast with lighter shades. Each 50c. dozen \$4.50.

## PINK PAEONY OFFER

We have a surplus of pink sorts, and as they are not all of one shade of color will make a beautiful bed or border.

**SIX FINE PINK PAEONIES, POSTPAID FOR \$1.00.**





**PARDANTHUS**  
(Blackberry Lily.)—Quite curious and handsome. The flowers are orange colored spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters like a blackberry in size, shape and color. Each 10c, per dozen 85c.

### HARDY PHLOX

We know of nothing in hardy perennials more showy or effective than a fine collection of hardy phloxes, and the new and improved varieties that have been introduced recently will add very much to their popularity. Flowers are very large and have exceedingly brilliant shades of color. Bloom from spring to very late fall.

A collection of all the sorts we list is offered below and if these varieties are massed in good soil, kept loose, the result will be a splendid show of immense flowers intermingled red and white.

**BOUQUET FLEUR.**—A rather dwarf sort, producing large, rounded trusses. Color white with deep rose eye. A dainty contrast of color and a bloom of beauty. Each 10c.

**COLIBRI.**—A very late bloomer of good size and form. Color white with crimson center. The general appearance of the flower is bright and beautiful with decided contrast in color. Each 15c.

**HENRY MURGER.**—Flowers are extra large, flaret white with very large crimson center. A fine variety. Each 15c.

**JEANNE D'ARC.**—A pure white flower, blooming rather late, but remaining long in bloom. Heads of bloom very large and a well grown plant is a great mass of white flowers in fall. Each 10c.

**HERMINE.**—Most dwarf variety, growing only about 10 inches high. Pure white flowers. Suitable for outer edging of the phlox bed. Each 10c.

**PANTHEON.**—Bright carmine rose blossom of great beauty. One of the most popular. Each 15c.

**MRS. JENKINS.**—The largest of pure white sorts. Immense panicles of bloom, early and free flowering. Splendid for mass planting. Each 15c.

**PEARL.**—Best pure white variety. A standard sort and a great favorite because of purity of color. Large, beautiful flowers. Each 10c. Can supply field grown clumps of this variety. Each 25c.

**WM. ROBINSON.**—Splendid, showy flower, of salmon scarlet. No matter how many colors you have in the bed this one will be specially noticed. Each 15c.

**MIXED VARIETIES.**—A fine assortment. Each 10c; dozen 85c. Large field grown clumps, each 25c.



BLUE SPIREA

HARDY PERENNIAL PHLOX.

One plant each of hardy phloxes postpaid, \$1.00

### RUDBECKIA

**GOLDEN GLOW.**—A glorious hardy plant that should find a place in every garden. It is of fine habit; vigorous growth, with early, continuous and immense blooming qualities. The stems are long and gracefully poised.

It attains a height of six to eight feet, and a small plant set out in the spring will produce hundreds of blossoms during August and September, each are as large as a good sized chrysanthemum. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 10c, dozen \$1.00.

### BLUE SPIREA

(Caryopteris.)—This is a handsome shrubby plant for pots or open ground. Bloom from midsummer until heavy frosts. Each 10c, dozen \$1.00. Field grown each 25c.

### CREEPING PHLOX

(Phlox Sublata.)—The Creeping Phloxes have a charming beauty and, for general usefulness, are not surpassed by any flower that grows. They will thrive in any situation, except a very shady one; and in any soil, no matter how poor, unless it is very wet. They are absolutely hardy without protection. They have neat, evergreen foliage, and when in bloom, during the months of April and May, their multitude of lovely pink, white or blue flowers cover everything beneath as completely as a carpet covers a floor. They bloom again in September, but not so freely. They do well on good soil, but are also desirable for covering rocky hillsides, sandy slopes, bare ground too poor to grow anything else, and for edging borders of hardy plants or shrubbery they are unsurpassed. Botanically known as Phlox Sublata. We can furnish three colors: pure white, deep pink and light blue. Each 10c, dozen 75c, per 100 \$5.00.

### POPPY

**ICELAND.**—Has fern-like foliage; bears an immense number of elegant flowers. Each 15c, dozen \$1.25.

**ORIENTAL.**—Mammoth flowers of gorgeous colors. Ea. 15c, doz. \$1.25.



PHLOX SUBLATA, OR CREEPING PHLOX

### GRASS PINKS

The hardy and pretty clove-scented flowers which our grandmothers loved. The fragrance is quickly noticed by anyone passing by the yard where they are growing, before seeing the flowers. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 10c, dozen 75c.

### PLUME POPPY

(Boconia - Cordata) — Tall and stately, ornamental and sub-tropical in appearance with large plumes of white flowers on stems from six to eight feet high. Desirable for planting in the border or with shrubbery. Blooms continuously through July and August. Each 15c, dozen \$1.25.

*The seeds and pæony roots all reached me in good condition. I appreciate your liberality in sending the extra seeds.*—Sarah E. Gibson, Hagerstown, Md.

### PERENNIAL ASTER

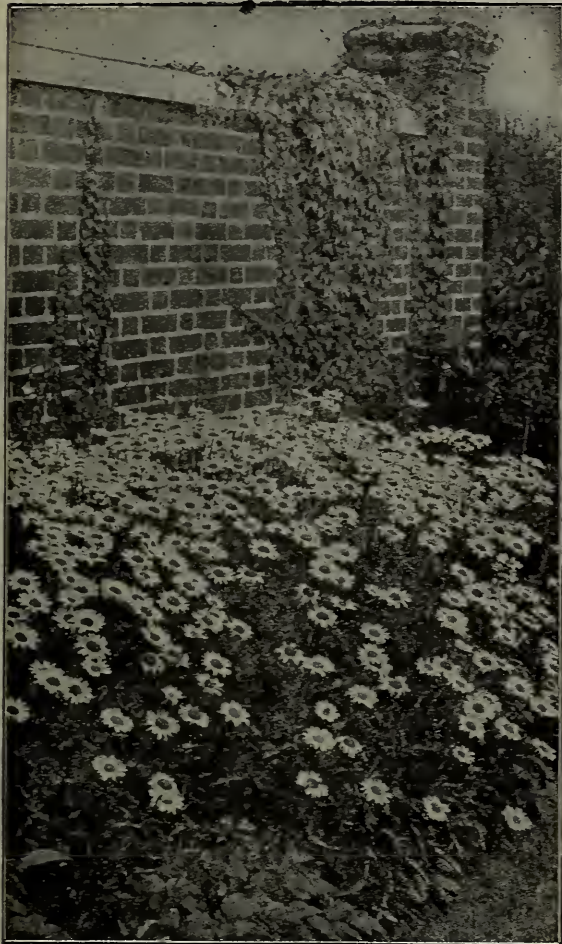
Very showy, strong growing and free flowering, presenting a mass of small, bright flowers in large clusters during late summer and autumn. Many shades of color. Each 10c, per dozen \$1.00.



GOLDEN GLOW (RUDBECKIA)

A BED OR ROW OF HARDY PHLOX MAKES A MOST BRILLIANT SHOW OF BRIGHT COLORS





SHASTA DAISY

**SEA PINK**

**ARMERIA OR THRIFT.**—Foliage narrow and grass-like and bears compact heads of flowers of handsome pink color; is entirely hardy. Each 10c, doz. \$1.00.

**STOKESIA**

**CYANEA.**—It produces showy aster-like deep blue flowers, which measure from 4 to 5 inches across. Each 15c, doz. \$1.50.

**TRITOMA**

**PFITZERI.**—Sometimes called Flaming Torch or Red Hot Poker Plant. At floral exhibitions and when sent out as cut flowers to market, it attracts great attention. Grows from 3 to 4 ft. high, the flower measuring 12 to 15 in. long; dazzling scarlet tinged rich orange. Each 15c, doz. \$1.50.



TRITOMA PFITZERI

**YUCCA**

**FILAMENTOSA.**—(Adam's Needle.)—Tropical looking plant with long, narrow leaves, remains green entire year. Grows in clumps and throws up flower stalks from 3 to 4 ft. high, from which hang 100 to 300 creamy white, bell-shaped flowers. It blooms a long time. Each 15c, doz. \$1.50. Strong two-year-old plants 30c.

**INTRODUCTORY COLLECTION OF HARDY PLANTS**

Offered at an exceptionally low price to induce our customers to make a beginning in permanent plantings, as we believe if once established these flowers will demonstrate the advantage of hardy plants for the home grounds. The collection consists of—

3 Blue Day Lily, 1 Orange Lily, 2 Sweet William, 2 Pearl Achillea, 2 Canterbury Bells, 3 German Iris.

The total value of the above at catalogue rates is \$1.25, but we will send you the collection as named, postpaid, for 75c; by express, not prepaid, 50c.



YUCCA FILAMENTOSA.

**PYRETHRUM**

**GRANDIFLORUM.**—A summer bloomer, with flowers closely resembling the daisy. Splendid for cutting as the blooms will hold their form and color for a week. Each 15c, doz. \$1.50.

**RIBBON GRASS**

Large variegated striped grass; foliage is green striped white. No two leaves alike. Pretty in clumps or borders. Ea. 10c, doz. 75c.

**SAPONARIA**

(Bouncing Betsey).—Old-fashioned perennial with large double pink flowers. Each 10c, doz. 75c.

**SHASTA DAISY**

This is one of the most marvelous productions in the flower line. It can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial and blooms better and more abundantly each season. The flowers are extremely large and graceful, averaging about 4 inches in diameter, with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly 2 feet long. Strong plants 15c each, doz. \$1.25. Field grown clumps 25c.

**SWEET WILLIAM**

Well known, free blooming, hardy perennial plants which produce masses of lovely, brilliant, sweet-scented flowers through a long period, making a splendid effect in beds. One foot high. Flowers borne on heads or umbels with individual flowers nearly an inch across. Color white, pink, crimson, purple, etc., with rich markings. Single, each 10c, doz. 85c; double, each 15c, dozen \$1.00.

**VIOLETS**

Of all perfumes that of violets is no doubt the most delicate and pleasant and easily places these modest blue flowers among our greatest favorites. Grow and bloom freely if given a cool situation, but will not succeed in a warm place. Cover well to insure protection in winter.

**SWANLEY WHITE.**—Finest double variety and a decided acquisition. Of vigorous growth, producing a great many pure, snowy white, double flowers. Has such delightful odor that it is called "Queen of Fragrance." Each 15c, doz. \$1.50.

**MARIE LOUISE.**—To contrast with the white, we offer this, the finest double blue violet grown. Color deep violet blue; very fragrant; continual bloomer. Is of easy growth. Each 15c, doz. \$1.50.

**CALIFORNIA.**—Grand single variety. Sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear, unfading violet blue. The flowers are large and borne on stems 10 to 12 inches long. Hardest of all. Each 10c, doz. \$1.00.

**PRINCESS OF WALES.**—Broad, pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff, long stems. One of the most beautiful and free flowering violets. Each 10c, dozen \$1.00.



MARIE LOUISE VIOLET



## AQUATIC PLANTS

The constantly increasing demand proves the coming popularity of aquatics. Their requirement is very simple, only sunshine, shallow water, and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. Most of the varieties are also adapted for growing in aquariums.



fragrance and delicacy make it much sought after and very popular. Flowers

**FAIRY WATER LILY.**—(Lymanthemum Trachyspermum.)—A fine little plant for the aquarium, resembling a miniature water lily. Leaves are about 3 inches in diameter and the flowers are borne on the same stem and close up to the leaves. Color of flowers is pure white and they are produced continuously. Price, each 15c, 6 for 80c.

**WHITE POND LILY.**—The ordinary water lily which sometimes grows wild in western lakes and ponds. Its beauty,

and too much cannot be said of its exquisite loveliness. It is not difficult to grow as it is indigenous to this section and perfectly hardy. Strong roots each 30c, dozen \$3.00.

**PINK POND LILY.**—(Nymphaea Odorata Rosea.)—This is the well known pink pond lily of Cape Cod. While not so hardy or productive as our western pond lily, the beauty of the flower with its delicate coloring, make it a desirable variety, and even one blossom will repay the grower with its loveliness for the care and labor bestowed upon it. Is hardy and not difficult to grow. Strong roots each 65 cents.

**YELLOW POND LILY.**—(Nymphaea Flava.)—Has flowers of golden yellow color. Each 60c.

**EGYPTIAN LOTUS.**—(Nelumbium Speciosum.)—A noble aquatic plant. Known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance, and flowers sometimes a foot in diameter. Color white shading to pink. Each \$2.50.

### POND LILY COLLECTION

One each of the following beautiful pond lilies by mail, postpaid, only \$1.40:

Fairy Water Lily  
White Pond Lily  
Pink Pond Lily  
Yellow Pond Lily

**LUDWIGIA.**—A pretty plant with smooth green leaves, variegated at certain seasons with yellow and red. It grows nicely in pots, vases and hanging baskets. Ea. 10c, 6 for 50c.



CABOMBA OR AQUARIA MOSS



CYPERUS OR UMBRELLA PALM



WATER HYACINTH

**CABOMBA, or Aquaria Moss.**—This is the prettiest plant in existence for growing in aquariums, and also the most valuable. The foliage is of a beautiful light green and the leaves spread out like a fan, which gives it the name of Fanwort. Leaves beautifully and regularly cut and resemble a delicate lace fern. Grows all the year round, but it looks a great deal better during the fall and winter months than during spring. May be broken any length and roots readily. Should be weighted down in the water so the base of stems are in the sand. Bunch of ten stems 25c, postpaid.

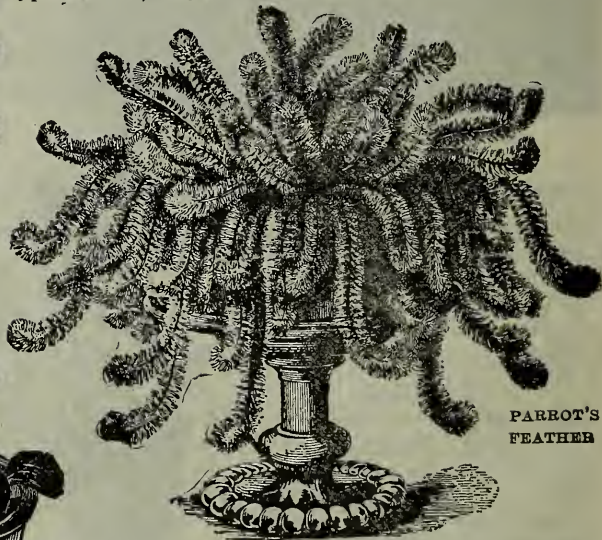
**LEMNA.**—Is sometimes called Duckweed. Small oval leaves, with rootlets hanging down in the water, and plants are produced very rapidly by the offshoots. Bunch 15c.



WATER LILIES

**UMBRELLA PALM.**—(Cyperus).—An ornamental plant which throws up slender, round stems about two feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, thus giving the plant a very curious and fantastic appearance. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all it is as easily grown as the commonest weed, and will thrive in the shade as well as the sun. It is an excellent plant for the dining-room table or as a water plant in the very moist spots, or for aquariums or fountains. It should have an abundance of water, though it will do fairly well in dry soil. We sell thousands of these plants and they are always satisfactory. Each 10c, larger 25c and 50c each.

**PARROT'S FEATHER.**—A dainty little jewel; its trailing stems are covered with whorls of most exquisite foliage, as finely cut as the leaves of the cypress vine, but still more delicate. Each 15c.



PARROT'S FEATHER

**SAGITARIA.**—A grass-like plant quite desirable for aquariums. Grows rapidly. Leaves are long and ribbon-like and present a pleasing appearance submerged in the water. Each 15c.

**WATER HYACINTH.**—Is one of the most remarkable, curious and beautiful plants. It floats in the water, forming a lovely rosette of its curious shining green leaves, and throws up spikes of most exquisite flowers. Color is a beautiful, soft, lilac rose, sparkling as if covered with diamond dust. The upper petal has large metallic blue blotches and in the center of that a small golden yellow spot. Each 15c.

**WATER POPPY.**—A well known aquatic plant for shallow ponds or aquarium, bearing clear yellow, poppy-like flowers. They are easily grown and very attractive. They are not hardy and if grown in outdoor ponds should be removed in winter to the aquarium in the house. Price, each 15 cents.

### AQUARIUM COLLECTION

FOR THE FANCY FISHES.

Ten Stems Cabomba

1 Ludwigia 1 Water Hyacinth  
1 Bunch Lemna 1 Parrot's Feather  
Postpaid for only 65 cents.



## CUT FLOWERS AND DESIGNS

Orders for these goods should be addressed to Iowa Floral Co., Box 874, Des Moines, Iowa. If so addressed, they do not get into the seed mail but go direct to the floral department for immediate attention the instant they are received. Promptness is absolutely essential in handling this class of business and the above address on your orders will save several hours. We can ship you flowers and floral pieces, either mail or express, on quick notice and with our system of packing fresh cut blossoms they reach you in the most perfect condition. Distance is no barrier as we are within thirty-six hours of any point between New York City and Denver, Duluth or Galveston. This means that fresh flowers may be obtained for every wedding, for dinner parties, for social gatherings and gifts; it means that every funeral may be graced by floral offerings and that sick friends may be cheered to recovery with fragrant flowers.

### HOME DECORATIONS

We can furnish the entire decorations for social gatherings, dinner parties, receptions, weddings, etc., and invite correspondence concerning the floral decorations for such occasions, and to patrons in Iowa and adjacent points we will send an experienced decorator to take entire charge of the decorating, asking only that you give us sufficient time to advise as to cost and necessary detail.



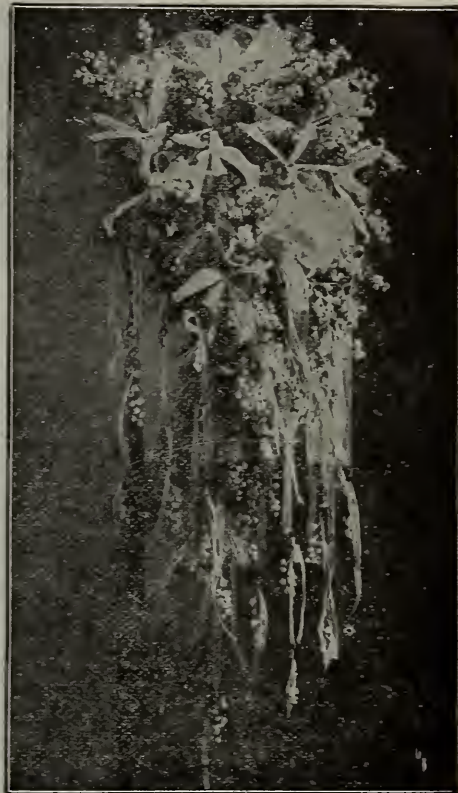
RIBBON-TIED WREATH.

### FUNERAL DESIGNS

We make a specialty of funeral work, giving great care to the making of designs, that they may be artistic and lasting. We can supply all the regular designs and will make special pieces as desired. Prices range from \$3.00 for the small funeral spray, to \$50 for an elaborate casket covering. The ordinary designs vary from \$3.00 to \$20.00.

### CUT FLOWERS

Quality, length of stem and important market conditions govern prices. Flowers are usually quite a little higher in price at Easter, Christmas, New Year and Decoration Day than at other times. We issue a monthly price list which will be mailed to anyone regularly on request.



BRIDE'S BOUQUET.

BEAUTIFUL ILLUSTRATED CATALOGUE OF CUT FLOWERS AND FUNERAL DESIGNS MAILED FREE ON APPLICATION.

"Empty Your Purse Into Your Head"

## VALUABLE BOOKS

Sent Postpaid on Receipt of Price

### VEGETABLES.

**Vegetable Gardening.**—By Samuel B. Green. A most practical and up-to-date book. Valuable to amateur or professional grower of vegetables. Cloth, 251 pages. Price \$1.00.

**Gardening for Profit.**—By Peter Henderson. New edition of this work which has been an authority for twenty years. Cloth, 376 pages. Price \$1.50.

**Canning and Preserving.**—Mrs. S. T. Rorer. Containing directions for conserving all kinds of vegetables and fruits. Invaluable to the housewife. Cloth, 78 pages. Price 75c.

**New Onion Culture.**—By T. Greiner. How to grow the mammoth onion and produce big crops. Full of information. Cloth, 114 pages. Price 50c.

**The Peanut Plant.**—Its cultivation and uses. Instructing the beginner how to raise good crops. Paper, 50c.

**Celery Culture.**—By W. R. Beattie. The latest and most complete instructions for the management of this delicacy. Cloth, 145 pages. Price 50c.

**Asparagus Culture.**—By F. M. Hexamer. A complete treatise with methods used in various parts of the world. Cloth, 168 pages. Price 50c.

**A B C of Potato Culture.**—By T. B. Terry. Tells how to successfully produce this most profitable crop. Paper, 286 pages. Price 50c.

**Fitz's Sweet Potato Culture.**—By Jas. Fitz. Growing, harvesting and storing. Cloth, 86 pages. Price 50c.

**Tomato Culture.**—By Day, Cummins & Root. Paper, 158 pages. Price 40c.

**Ginseng.**—By M. G. Kains. Uses and propagation. Cloth, 144pp. Price 50c.

**How to Grow Mushrooms.**—A small pamphlet by a practical grower. Ea. 10c.

**Mushroom Culture.**—By W. Robinson. A complete work on the management of this profitable crop. Plain directions for the amateur. Cloth, 50c.

**Melon Culture.**—By J. Troop. A practical treatise on both water and muskmelons, for both amateur and market grower. Cloth, 100 pages. Price 50c.

### FLOWERS.

**Home Floriculture.**—The new book by Chas. N. Page. It gives full instructions for the care and management of all kinds of flowers. The greatest work and the most valuable to flower lovers. Paper, 150 pages, 25c; cloth 75c.

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**Landscape Gardening.**—F. A. Waugh. Illustrates the effects of different methods. Cloth, 152 pages. Price 50c.

**Success with House Plants.**—Lizzie Page Hillhouse. A practical handbook for anyone who has even a few plants. Paper, 200 pages. Price 50c.

### POULTRY.

**American Standard of Perfection.**—Gives requirements for perfection in all breeds of fowls. The guide for all fanciers. Each \$2.25.

**The Philo System.**—How to raise poultry successfully in the city or in small space. Complete guide to the successful raising of fowls for market. Ea. \$1.00.

**Reliable Poultry Remedies.**—Paper, 75 pages, 25c.

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### MISCELLANEOUS.

**Aquaria.**—By Chas. N. Page. A 64-page book on the care of gold fish. Invaluable to the lover of these household pets. Paper 15c; cloth 50c.

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### FRUITS.

**Fruit Harvesting, Storing and Marketing.**—By F. A. Waugh. Useful instructions on the storage of vegetables. Cloth, 221 pages. Price \$1.00.

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**A B C of Strawberry Culture.**—By T. B. Terry. Full advice for the care and management of this best of all fruits. Paper, 280 pages. Price 50c.

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**Practical Fruit Grower.**—By Prof. S. T. Maynard. Orchards and small fruits. Cloth, 125 pages. Price 50c.

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**School Agriculture.**—Milo N. Wood. A test book of Agriculture written for the rural schools. Should be in the home of every farmer. Cloth, 340 pages. \$1.00.

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**Forage Crops.**—Prof. Thomas Shaw. Filled with practical advice as to the production of pasture and fodder crops for live stock. Cloth, 288pp. \$1.00.

**Alfalfa.**—By F. D. Coburn, Secretary Kansas Department of Agriculture, an authority. Cloth, 161 pages. Price 50c.

**Clover Farming.**—By Henry Wallace. Every farmer should have this book, as it is valuable. Paper 35c. Cloth 50c.

**Holden's Corn Book.**—By Prof. P. G. Holden, late of Iowa Agricultural College, a conceded authority. Paper, 25c.

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YOU SHOULD CONSIDER BOOKS IN THE LIGHT OF TOOLS THAT AID IN INCREASING YOUR CAPACITY





DUCHESS AND JONATHAN APPLE.

## APPLES

Price 40c each, \$4.50 per doz. Ask for prices by the hundred.

### Summer Varieties.

**YELLOW TRANSPARENT.**—Very early; light yellow; medium size; juicy, sub-acid.

**RED JUNE.**—Choice quality, very early, bright dark red, small to medium size.

**BENONI.**—Medium size, bright red; rich flavor, tender and juicy. Very productive.

**DUCHESS.**—Yellow, striped red; medium to large; extremely hardy and productive.

**EARLY HARVEST.**—Large, golden yellow; splendid quality. Very popular in Iowa for many years.

### Autumn Varieties.

**MAIDEN'S BEUSH.**—Yellow with beautiful blush cheek. Good quality. Medium large.

**FAMEUSE.**—(Snow Apple.)—Deep dark red, flesh very white, juicy and rich. Splendid sort.

**RAMBO.**—Small to medium, striped yellow and red. Quality extra choice.

**AUTUMN STRAWBERRY.**—Beautiful striped fruit of yellow and red. Medium size, fine quality.

**RAMSDELL SWEET.**—Large. Rather oblong shape dark red. Best fall sweet apple.

### Winter Varieties.

**BALDWIN.**—Famous eastern market apple. Large, bright red, crisp, juicy and rich.

**BANANA.**—Large, golden yellow, blush cheek. Of splendid quality. Popular with western orchardists.

**BEN DAVIS.**—Large, red, striped yellow, good quality, good keeper. Profitable market sort.

**DELICIOUS.**—Large, brilliant red, shading to a golden yellow at blossom end. Extra quality.

**GRIMES GOLDEN.**—Large, golden yellow. Favorite sort because of extra choice quality.

**GENETIN.**—(Rawle's Janet.)—Small to medium, red and yellow striped. Very productive, long keeper.

**JONATHAN.**—Most popular of all. Large, deep red. Rich flavor, juicy and sweet.

**NORTHWESTERN GREENING.**—Large, light green. The fruit has been kept for a year.

**TALMAN'S SWEET.**—Medium size. Pale whitish yellow. Good quality. Standard sweet apple.

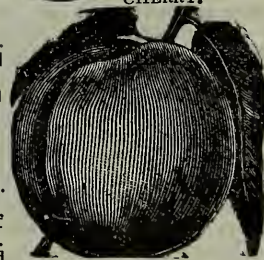
**WEALTHY.**—Large, red, showy, sub-acid and productive. Most popular of all.

**WINESAP.**—Medium. Deep red. Quality very fine. Rich, crisp flesh, sub-acid flavor. Very popular.

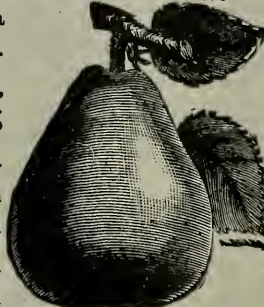
**WOLF RIVER.**—Largest of all; grow to weigh 4 lbs. Quality fair. Yellow, striped light red. Productive.



MONTMORENCY CHERRY.



IRON CLAD PEACH



KIEFFER PEAR

# NURSERY STOCK

All fruit trees on this page are two and three years old, five to seven feet high, and are sure to please.

No home is complete without a few fruit trees and small fruit plants. It is essential that you secure good plants and trees in order to grow good fruit. We aim to send out the very best stock, carefully packed for shipping. Fifty or more of any sort at the hundred rate; purchaser to pay transportation charges by express or freight on all nursery stock unless otherwise quoted. Orders must amount to at least one dollar. These are shipped direct from the nursery and cannot be sent with other goods. Ask for special prices on large orders.

## CHERRIES

Price 50c each, dozen \$5.00.

**EARLY RICHMOND.**—Medium size, dark red, juicy, acid flavor. Unsurpassed for cooking. The standard early variety in the middle west.

**MONTMORENCY.**—Large red acid cherry; is larger than Early Richmond and about ten days later. A superior sort for home use.

**ENGLISH MORELLO.**—Deep, dark red. Late.

**WRAGG.**—Large, late acid variety, dark purple; very productive.

## PEACHES

Each 40c, dozen \$3.50.

**CROSBY.**—Medium size, bright orange yellow, streaked with carmine. One of the best standard sorts and claimed to be the hardiest of all. Ripens in September.

**ELBERTA.**—The most popular early market sort. Large, bright lemon yellow, with blush cheeks. Ripens in early August.

**CHAMPION.**—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with free stones. Ripens in late August.

**IRONCLAD.**—Originated near Des Moines. Is perfectly hardy. Never winter-kills, even when 30 below zero. Freestone. Fruit medium size, handsome yellow with blush cheek; flesh white, juicy and fine flavored. Medium early.

## PLUMS

By express, each 50c, dozen \$5.00.

**ABUNDANCE.**—Hardest of Japanese varieties. Large, showy and fine quality.

**BURBANK.**—Considered by some to be the best of all the European sorts. Color clear cherry red with thin lilac bloom. Flesh deep yellow, very sweet and agreeable.

**DESOTO.**—Bright red. Very prolific, of good quality. A standard native variety.

**FOREST GARDEN.**—Large, mottled red and yellow, very sweet and rich.

**WEAVER.**—Flesh firm, red, juicy, with flavor resembling apricot, freestone, early bearer and very productive, hardy and said to be curculio proof.

**WILD GOOSE.**—Large, rich and melting; delicious. Strong grower and prolific.



ABUNDANCE PLUM

## PEARS

Any of following by exp. 50c each, doz. \$5.00.

**CLAPP'S FAVORITE.**—Very large, yellow and dull red with russet specks. Rich and melting. Ripens in August.

**KIEFFER.**—Large, rich colored and good quality. Excellent for canning; will keep until winter. Hardy. Ripens in October.

**BARTLETT.**—Large size, excellent quality. A leading variety. Ripens in August.

**SECKEL.**—Small, but of excellent quality; very hardy. Ripens in September.

**WORDEN SECKEL.**—Seedling of Seckel but larger. Best quality. Ripens September.

WE CAN SUPPLY TRANSCENDENT, HYSLOP AND WHITNEY CRAB APPLES, SAME PRICE AS APPLE TREES



## SHADE TREES

We shall be pleased to supply our customers with any of the following Shade or Ornamental Trees at prices given. Please remember in ordering them that they come direct from the nursery and cannot be shipped in the same package with any other goods except nursery stock.

**ASH—American White.**—Fine, hardy trees of symmetrical, rapid growth. 5 to 6 ft., 30c each; \$2.50 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

**BOX ELDER.**—Well known, quick-growing, hardy tree. Succeeds everywhere. 5 to 6 ft., each 30c; \$2.50 per 10. 6 to 8 ft. 50c each; \$4.50 per 10.

**CAROLINA POPLAR.**—Takes first rank among rapid growing trees. It thrives everywhere. Resembles Cottonwood but does not bear seed. 5 to 6 ft., 30c each; \$2.50 per 10; 6 ft. to 8 ft., 40c each; \$3.50 per 10.

**CATALPA SPECIOSA.**—Fine, rapid grower. Valuable also for timber, posts and cross-ties. Popular in semi-arid regions. 5 to 6 ft., 30c each; \$2.50 per 10; 6 to 8 ft., 40c each; \$3.50 per 10.

**ELM.—American White.**—Well known, beautiful shade and park tree. 5 to 6 ft., 35c each; \$3.00 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

**LINDEN—American.**—Known also as Basswood or Whitewood. A fine spreading native tree with large leaves and fragrant flowers. 5 to 6 ft., 60c each; \$5.00 per 10; 6 to 8 ft., 75c each; \$6.50 per 10.

**LOCUST—Black.**—Make rapid growth; valuable post timber. 5 to 6 ft., 30c each; \$.50 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

**LOCUST—Honey.**—Handsome, well known native tree. 5 to 6 ft., 50c each; \$4.50 per 10; 6 to 8 ft., 75c each; \$6.50 per 10.

**MAPLE—Soft or Silver.**—Valuable for producing quick shade. 5 to 6 ft., 30c each; \$2.50 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

**MAPLE—Hard or Sugar.**—Slow grower but very hardy, valuable and beautiful. 5 to 6 ft., 75c each; \$7.00 per 10. 6 to 8 ft., \$1.00 each; \$8.00 per 10.

**SYCAMORE—American.**—Lofty, spreading tree with handsome broad leaves. 5 to 6 ft., 50c each; \$4.50 per 10. 6 to 8 ft., 75c each; \$7.00 per 10.

Five trees of a kind will be sold at the ten rate. Can furnish stock in any size larger than given above. Write for prices.

## LAWN TREES

**BECHTEL'S FLOWERING CRAB.**—Medium size tree and large, very double, fragrant flowers. 2 to 3 feet, 75c each. 3 to 4 ft., \$1.00 each.

**CHESTNUT — The American Sweet.**—Well known; valuable for nuts and lumber. 5 to 6 ft., 75c each; \$7.00 per 10. 6 to 8 ft., \$1.00 each; \$8.00 per 10.

**MOUNTAIN ASH.**—A fine, hardy, small tree. Bears red berries. 5 to 6 ft., 50c each; \$4.50 per 10. 6 to 8 ft., 75c each; \$7 per 10.

**MULBERRY—Russian.**—A good shade tree and valuable for the fruit. 5 to 6 ft., 40c each; \$3.00 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

**NORWAY MAPLE.**—Hard wood, fine foliage, with beautiful spreading top. 5 to 6 ft., 75c each; \$6.00 per 10. 6 to 8 ft., \$1.00 each; \$8.00 per 10.

**WEIR'S MAPLE.**—Cut leaved, very hardy and graceful. 5 to 6 ft., 50c each; \$4.50 per 10. 6 to 8 ft., 75c each; \$7.00 per 10.

## WEeping TREES

**WEeping MOUNTAIN ASH.**—Very hardy and attractive. 1-year heads, 75c each; 2-year heads, \$1.00 each.

**WEeping CUT LEAF BIRCH.**—Perhaps the most elegant of all lawn trees. Delicate foliage, silvery white bark. Tall and slender but a vigorous grower. Every householder should have one or two specimens. 4 to 5 ft., \$1.00 each; 5 to 6 ft., \$1.25 each; 6 to 8 ft., \$1.50 each.

**TEA'S WEeping MULBERRY.**—Very distinct and beautiful. Quite hardy. 1-year, each \$1.50.

**WISCONSIN WILLOW.**—Upright grower, but with drooping twigs. 5 to 6 ft., 50c each; 6 to 8 ft., 75c each.

## EVERGREENS

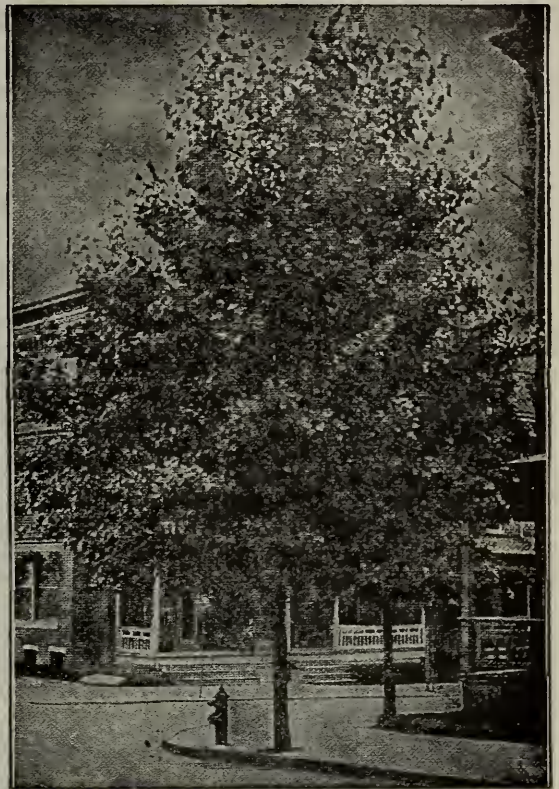
Our evergreens are all nice shapes and packed to reach you in good condition.

Variety	Size	Each	Doz.
American Arbor Vitae	12 to 18 in.	\$.30	\$ 2.50
American Arbor Vitae	18 to 24 in.	.50	4.00
American Arbor Vitae	24 to 36 in.	.75	6.00
Scotch Pine	12 to 18 in.	.40	3.50
Scotch Pine	18 to 24 in.	.50	4.50
Scotch Pine	24 to 36 in.	.75	6.00
Norway Spruce	12 to 18 in.	.40	3.50
Norway Spruce	18 to 24 in.	.60	5.50
Norway Spruce	24 to 48 in.	.85	9.00

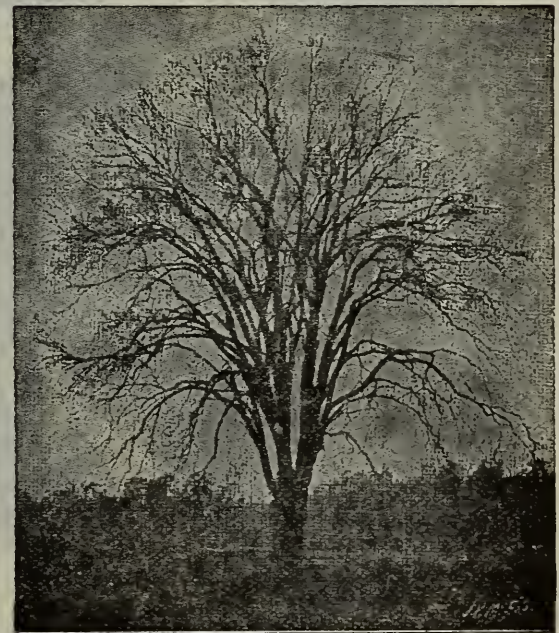
Many planters are now using small, one-year trees for their planting, as it is thought there is smaller per cent of loss in transplanting, and they are more readily trained to perfect shape and convenient heads. These trees can be sent by mail and we offer any of the varieties listed on the preceding page at the following low prices for small one-year trees, postage paid by us:

Apple	each 30c; doz. \$3.00	Cherry	each 30c; doz. 3.00
Pear	each 35c; doz. \$3.50	Peach	each 25c; doz. \$2.50
		Plum	each 35c; doz. \$3.50

A FEW GOOD TREES ADD MORE VALUE TO A HOME THAN ANY OTHER IMPROVEMENT



HARD OR SUGAR MAPLE.



AMERICAN WHITE ELM.

## FOREST TREE SEEDLINGS

Five hundred will be sold at thousand rates.

Variety	12 to 18 in.	100	1000
Catalpa Speciosa	12 to 18 in.	\$1.00	\$9.00
"	18 to 24 in.	1.40	12.00
Black Locust	12 to 18 in.	1.00	6.00
"	18 to 24 in.	1.20	7.00
Soft Maple	12 to 18 in.	1.00	6.00
"	18 to 24 in.	1.40	8.00
Russian Mulberry	12 to 18 in.	1.25	7.00
"	18 to 24 in.	1.60	9.00
Osage Orange, No. 1		.60	4.00
" No. 2		.40	2.50

## SMALL FRUIT TREES BY MAIL

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		Plum	each 35c; doz. \$3.50



CUT LEAF WEeping BIRCH

**MULBERRY—Russian.**—A good shade tree and valuable for the fruit. 5 to 6 ft., 40c each; \$3.00 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

**NORWAY MAPLE.**—Hard wood, fine foliage, with beautiful spreading top. 5 to 6 ft., 75c each; \$6.00 per 10. 6 to 8 ft., \$1.00 each; \$8.00 per 10.

**WEIR'S MAPLE.**—Cut leaved, very hardy and graceful. 5 to 6 ft., 50c each; \$4.50 per 10. 6 to 8 ft., 75c each; \$7.00 per 10.

## WEeping TREES

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Scotch Pine	24 to 36 in.	.75	6.00
Norway Spruce	12 to 18 in.	.40	3.50
Norway Spruce	18 to 24 in.	.60	5.50
Norway Spruce	24 to 48 in.	.85	9.00

Many planters are now using small, one-year trees for their planting, as it is thought there is smaller per cent of loss in transplanting, and they are more readily trained to perfect shape and convenient heads. These trees can be sent by mail and we offer any of the varieties listed on the preceding page at the following low prices for small one-year trees, postage paid by us:

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Pear	each 35c; doz. \$3.50	Peach	each 25c; doz. \$2.50
		Plum	each 35c; doz. \$3.50

A FEW GOOD TREES ADD MORE VALUE TO A HOME THAN ANY OTHER IMPROVEMENT



## GRAPES

Our grape vines are No. 1 one-year vines, which experience has shown to be the very best size for transplanting. The best and most robust vines are marketed by nurserymen generally at one year old, while the culls are grown another season and sold as two-year-olds. Write for prices on large lots.

**AGAWAM.**—Berries are very large, bright red, with thick skin; very vigorous grower. Fruit of good quality. Each 15c, doz. \$1.00, per 100 \$4.50.

**BRIGHTON.**—Of the best quality. Bunch and berry large, of bright red color, and it is quite productive. Each 15c, doz. \$1.00, per 100 \$5.00.

**CAMPBELL'S EARLY.**—Strong grower with large, healthy foliage. Very productive; its keeping and shipping qualities are unequaled by any other early grape. Ripens with Moore's Early. Bunch and berry large, glossy black with blue bloom. Sweet and juicy; clusters are usually shouldered. Each 25c, per doz. \$2.50, per 100 \$15.00.

**CONCORD.**—The well known standard black variety. Succeeds well everywhere. Each 10c, doz. \$1.00, per 100 \$4.00.

**MOORE'S EARLY.**—Bunch large, berry very large and round, vines exceedingly hardy. A very desirable early market black variety, exceedingly hardy. Very popular with Des Moines growers. Each 15c, doz. \$1.50. By exp., 100 \$6.00.

**NIAGARA.**—This is a leading white variety, very productive and hardy. Bunch and berries large green or white, changing to pale yellow when fully ripe; the skin thin and tough. Quality extra fine. Each 15c, doz. \$1.20, per 100 \$5.00.

**WORDEN.**—A large grape of the Concord type, much earlier, larger and of better quality; hardy and more productive. Each 15c, doz. \$1.25, per 100 \$5.00.

**THE KING.**—A grand new variety. Originated in Michigan

and has been very highly recommended by the Michigan State Horticultural Society. Not only is the individual grape of mammoth size, sometimes three inches in circumference, but the bunch is also very large, compact and presents an exceptionally fine appearance on the market. A splendid shipping sort and one of the best keepers we have ever seen. Strong, well grown vines 25c each, \$2.50 per dozen.

**WOODRUFF.**—Of ironclad hardiness, a rank grower and very healthy. Fruit large and very attractive. Usually shouldered. Sweet and of fair quality. Ripens soon after the Concord and stands at head of the list of red sorts for a market variety. Each 20c, doz. \$2.00, per 100 \$8.00.

**WYOMING RED.**—Claimed to be as choice in quality as the Delaware. Fruit is larger and brighter red than that sort. A fine variety. Each 15c, doz. \$1.50, 100 \$6.00.

## CURRENTS

**POMONA.**—The most productive and vigorous red currants ever introduced; ripens early, but remains on the bush longer than any other; remarkably fine quality. Each 15c, doz. \$1.00.

**FAY'S PROLIFIC.**—One of the most prolific, of excellent quality. We heartily recommend it. Each 15c, doz. \$1.00.

**WHITE GRAPE.**—A standard variety. The fruits are light colored, mild and fine flavored. Each 15c, doz. \$1.00.

POMONA CURRENT

## RASPBERRIES

Our varieties are all tip grown plants. We do not sell sucker plants, nor varieties which propagate from suckers.

**NEW CARDINAL.**—This wonderful berry surprises all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large purple berries. Leading horticulturists everywhere have pronounced it one of the fruit wonders of the century and the most profitable of all sorts. Dozen 75c, 100 \$3.00.

**CUMBERLAND.**—One of the best of blackcap variety. It is of very large size, good quality, firm and handsome, and an excellent shipper. Plants vigorous and hardy, productive, free from disease. Doz. 75c, 100 \$2.50.

**KANSAS.**—Ripens about one week earlier than Gregg. Fruit large and firm. Valuable as a home or market variety. Doz. 75c, per 100 \$2.50.

**GREGG.**—Hardy and excellent. Has been the leading blackcap variety for many years. Doz. 50c, per 100 \$2.50.

**COLUMBIA.**—This is a leading purple-red variety. Fruit is rich and sprightly in flavor, and is superior for canning, jam or preserving. Grows very large, strong and vigorous and yields immensely. Doz. 50c, per 100 \$2.50.



MOORE'S EARLY

## GOOSEBERRIES

**CHAMPION.**—A new variety originating in Minnesota. Hardy, free from mildew, very productive, large size, and recommended by our growers as the best variety listed. Each 20, doz. \$2.00.

**JOSELYN.**—Of superior merit. Very large, hardy, productive and free from mildew. Regarded as the best of recent introduction. Each 20c, per doz. \$2.00.

**PEARL.**—One of the most prolific; very hardy, entirely free from mildew. Superior in size and productiveness to Downing. Each 20c, doz. \$2.00.

**INDUSTRY.**—The best English sort yet introduced in this country. Berries of immense size, 1 to 2 inches long. Each 25c, doz. \$2.50.

**HOUGHTON.**—Pale red, good quality, productive. Each 20c, doz. \$1.50.

**DOWNING.**—Large, pale green. Ea. 20c, doz. \$1.50.

## BLACKBERRIES

**SNYDER.**—Extremely hardy and very productive. The standard sort for the west. No other variety is so prolific or so dependable in the corn belt, or so desirable for shipping. Doz. 50c, 100 \$2.50.

**ANCIENT BRITON.**—This is regarded as one of the hardiest blackberries and especially adapted to Iowa, Wisconsin and Minnesota. Doz. 50c, 100 \$3.00.

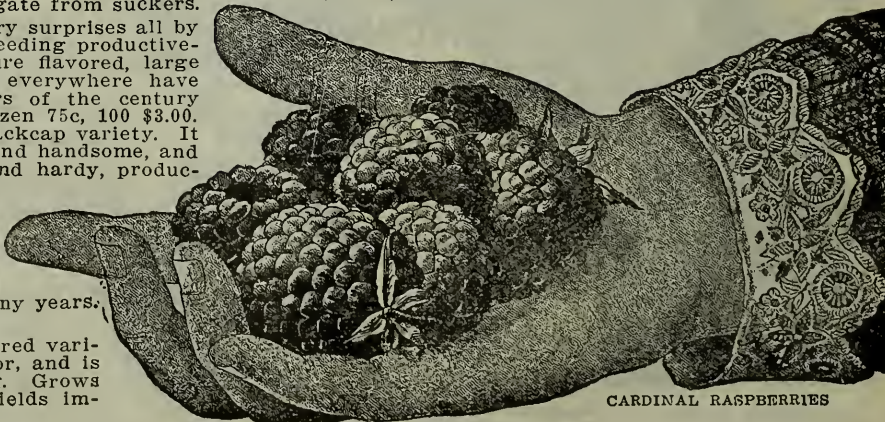
**BLOWERS.**—A sturdy grower and quite hardy. Fruits large, melting and splendid quality. Doz. 50c, 100 \$3.00.



SNYDER BLACKBERRY

## DEWBERRIES

**LUCRETIA.**—The best dewberry for this section. Berries much larger and better quality than blackberries. Each 15c, doz. 75c, 100 \$3.00.



CARDINAL RASPBERRIES



## STRAWBERRIES

Quick service is necessary in handling strawberry plants, and special packing is required. For these reasons we ship all strawberry plants entirely by themselves. Perfect flowered varieties are marked (s); the imperfect marked (p), must have perfect flowered sorts planted with them or they will not fruit. Ask for price by the thousand.

**AROMA (s).**—The best and most profitable late berry. It is very prolific and of most excellent color and quality. Plants strong, vigorous and free from disease. Fruits very large, roundish, conical, glossy bright red. Per 100 \$1.25, postpaid. By express, per 100 \$1.00.

**BEDERWOOD (s).**—This is one of the best known varieties for planting with the Warfield or Crescent, as it produces a large amount of pollen. It is of excellent color and a good shipper. Ripens early. Per dozen 30c, per 100 \$1.00, postpaid. By express, per 100 75c.

**BRANDYWINE (s).**—Large berry, vigorous, strong grower and makes a large, heavy plant. It is fine for market, being large, firm and of a handsome red color. The blooms are perfect, making it a good fertilizer for other varieties. Per doz. 40c, per 100 \$1.25, postpaid. By express, 100 \$1.00.

**BUBACH (p).**—Its large, uniform size, fine form and color, unsurpassed productiveness and great vigor combine to make it a leading sort. Rather late in maturing. Per doz. 30c, per 100 \$1.25. By express, 100 for \$1.00.

**CLYDE (s).**—One of the most popular varieties in the west. It is of vigorous growth and very productive. The berries are of a deep scarlet in color and moderately firm. Decidedly the best early sort. Per doz. 30c, per 100 \$1.25, postpaid. By express, 100 for \$1.00.

**CRESCENT (p).**—One of the old standard varieties, will produce a large crop where other sorts

would fail, as it will stand an unusual amount of neglect. The berry is of medium size and good quality. Per doz. 25c, per 100 \$1.00, postpaid. By exp., per 100 75c.

**KLONDYKE.**—If you want a good berry that will bring top price and ship anywhere, plant this variety. Plants strong, vigorous and productive. Fruits large, firm and well flavored. Per doz. 20c, per 100 \$1.00, postpaid. By express, per 100 75c.

**NICK OHMER (s).**—Very large in size, uniform in shape, dark, glossy red, firm and excellent flavor. Season rather late. Per doz. 40c, per 100 \$1.50, postpaid. By express, per 100 \$1.25.

**PARKER EARLE (s).**—One of the most vigorous and best sorts for family garden. Per doz. 50c, per 100 \$1.75, postpaid. By express, per 100 \$1.50.

**SEAFORD (p).**—Of extraordinary merit. Begins ripening early and continues late. A most excellent variety for home use. It is a deep, glossy crimson, of excellent quality. The plant is an exceptionally vigorous grower. Per doz. 30c, 100 \$1.25, postpaid. By exp., 100 \$1.00.

**SENATOR DUNLAP (s).**—A medium sized sort; very hardy, productive, a vigorous grower. Remains in bearing until quite late. Is unsurpassed in quality; claimed to be best all around variety. Doz. 40c, 100 \$1.25, postpaid. By exp., 100 \$1.00.

**WARFIELD (p).**—This is one of the best known market berries, of medium size and excellent quality and a good shipper. It is one of the best early sorts and maintains its size well throughout the season. Per doz. 25c, per 100 \$1.00, postpaid. By express, per 100 75c.

### STRAWBERRY COLLECTION

25 Bederwood (extra early), 25 Senator Dunlap (medium early), 25 Warfield (medium early), 25 Bubach (rather late). Four varieties suitable to grow together and give a succession of fruit through the season. 100 plants in all (just enough for a home bed). Postpaid for \$1.00.

### FALL BEARING STRAWBERRIES

These are a new race of strawberries that produce ripe fruit in October. They have a tendency to fruit in June, but if permitted to bear at this time the fall crop is curtailed. Pinch off the blooms that set up to July 1st and you will have fine fruit for fall use. Often fruit the first fall from spring set plants.

**IOWA.**—The original variety of this type and has become a standard. Perfect flowers

with fruit shaped like the illustration of Bubach on this page. A heavy bearer of good sized fruit. Per doz. 75c; 100 for \$5.00, postpaid.

**AMERICUS.**—Fruit of this variety is larger than the Iowa, somewhat rougher in shape. Plant vigorous and heavy cropper. Perfect. Per doz. \$1.25; 100 for \$3.00, postpaid.

**FRANCIS.**—Berries are richer color and better flavored than either of the above. Perfect flowered and bears so freely that the fruit stems cannot hold from the ground their loads of berries. Per doz. \$1.50; 100 for \$10.00, postpaid.

Certificate No. 1.

State of Iowa.

### CERTIFICATE OF NURSERY INSPECTION

Office of State Entomologist, Ames, Iowa.

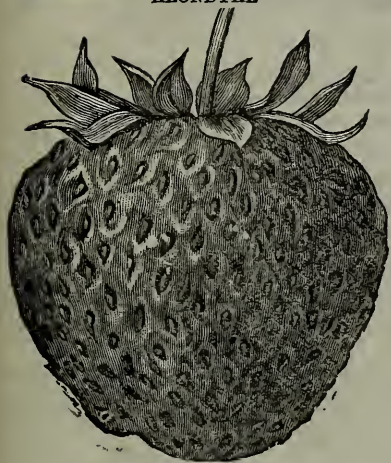
This is to Certify, That in accordance with Chapter 53 of the Acts of the Twenty-seventh General Assembly, as amended by the Thirty-first General Assembly, the nursery stock for sale by the Iowa Seed Company, of Des Moines, Iowa, has been inspected by a duly authorized inspector and has been found apparently free from dangerously injurious insect and plant diseases. This Certificate is invalid after July 1, 1914.

H. E. SUMMERS, State Entomologist.

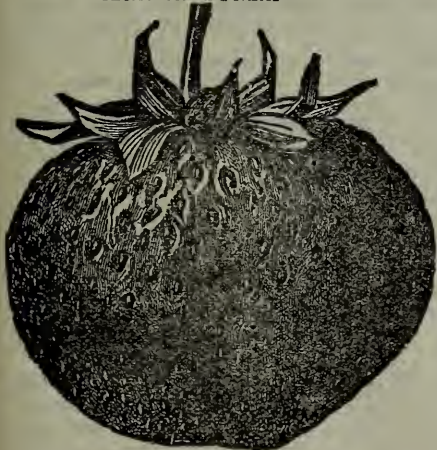
**A STRAWBERRY BED MUST BE RENEWED EVERY TWO OR THREE YEARS OR YOU GET NO FRUIT**



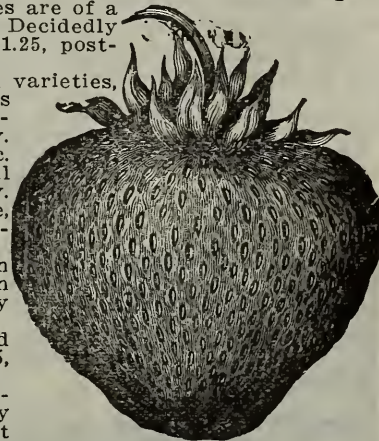
KLONDYKE



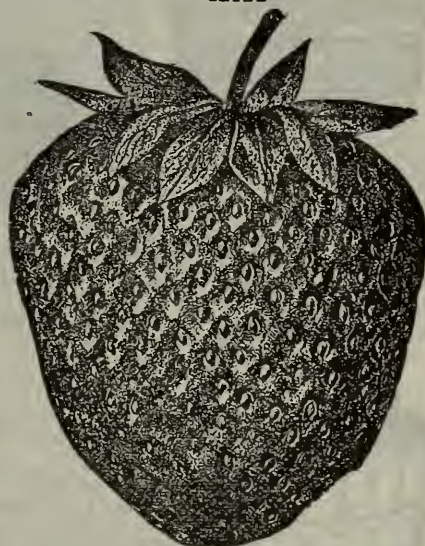
SENATOR DUNLAP



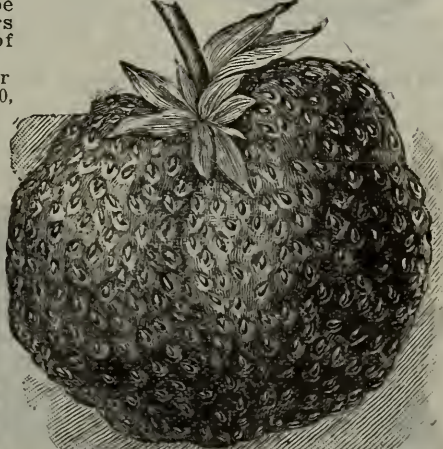
BUBACH



CLYDE

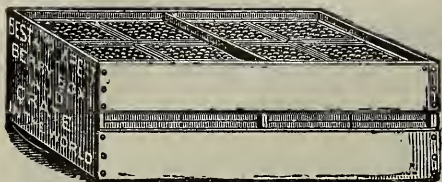


BRANDYWINE



NICK OHMER





in this department go by freight or express at customer's expense for carriage unless postpaid price is quoted.  
**Terms Cash With Order.**—The profit is so small on these goods that we cannot afford to make C. O. D. shipments.  
**To meet the requirements of the Iowa Food Law, we offer dry measure berry boxes and crates to hold them.**

**BERRY BOXES.**—Made of the best white wood (poplar), heart stock, cut smoothly, and perfect shape, size  $4\frac{3}{4} \times 4\frac{3}{4} \times 4\frac{1}{4}$ , to hold a dry measure quart. The bottom is set up for ventilation. Usually put up in bundles of 500 boxes complete for shipment and all ready for putting together, which can be done very rapidly. 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 45c; 1,000 \$3.50; 3,000 or more at \$3.40; 10,000 or more at \$3.25.

**ANNEALED TACKS.**—Made of the very best Swedes iron and of proper length so that they go through either two or three thicknesses of the material and clinch to hold securely. A pound will make 1,000 boxes. Lb. 30c; 4 lbs. \$1.00.

**CRATES.**—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down." They make a neat, strong and cheap package holding 16 to 24 quart boxes. Price: 16-qt. crates per 10 \$1.20, per 100 \$9.50; 24-qt. crates per 10 \$1.25, per 100 \$11.00.

**CRATE NAILS.**—Far superior to common nails, as they hold much better. Twelve pounds (makes 100 crates) \$1.00.

#### **DIAMOND MARKET BASKET.**

—As will be noticed, we are now having these baskets made with two handles which close down over the edge of the basket. The baskets nested in this way can be shipped at about half the cost of the old-style, over-handle baskets, and they are also quite convenient for shipping the fruit in. They are used quite largely for marketing grapes, plums, cherries, etc., as well as for some kinds of vegetables. Per doz. 50c; 10 doz. \$4.50.



#### **CLIMAX GRAPE BASKET.**

—The best package for shipping grapes, cherries, plums, etc. It is the standard 7-lb. size, making a strong but light package. Baskets are made of the best material. They are nested for shipment with the covers and bent handles in separate packages. Price for 10 50c; 25 90c; 100 for \$3.50; 1,000 for \$32.50.

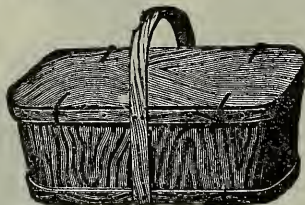
**SMALL CLIMAX GRAPE BASKET.**—For fancy grapes, etc. Holds about 4 lbs. 50c for 10; 90c for 25; \$3.50 per 100.

**HALF BUSHEL BASKET.**—The best all-around basket for farmers, fruit growers and grocers that we know of. Strong and well made, smooth inside, so that it does not bruise or scratch the fruit, particularly adapted to picking fruit and vegetables. The swinging bale makes it easily handled. Price 20c each; \$2.00 per dozen.

**NO. 1—ONE-BUSHEL BASKET.**—The ideal basket for general use. Standard elm staves with elm hoops and handles; also inside and outside bottom hoops. Each 20c; doz. \$2.00.

**IRON MEASURES.**—Made of heavy galvanized iron with side handles. Peck size each 40c;  $\frac{1}{2}$  bushel each 50c; 1 bushel each 70c.

**WOOD MEASURES.**—Iron bound, to make them stronger. Half peck each 25c; peck each 35c.



## FRUIT PACKAGES

Being the oldest as well as the largest dealer in berry boxes and other fruit packages in the west, we are prepared to furnish you the best stock made, at low prices. We handle a great many carloads each year, and from our long experience of more than a quarter of a century we are enabled to select superior stock and give instructions for cutting so that it will suit our trade. It pays to have bright, smoothly cut stock which will make the fruit look nicer and sell better. Prices named here are subject to change during season. All goods

#### **FOLDING ONE-BUSHEL CRATE.**

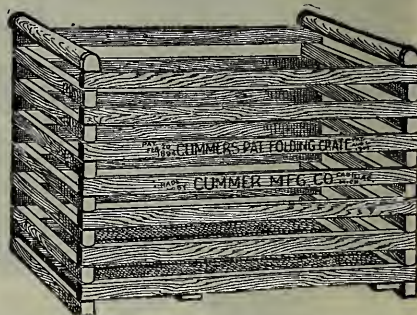
Light, strong and durable. Slats are all run with round corners so that contents are not bruised or cut. Size  $11\frac{1}{2}$  in. in width,  $20\frac{1}{2}$  in. long,  $13\frac{1}{2}$  in. high outside. No. 1 each 30c; per dozen \$3.00.

#### **WIRE STAPLING MACHINE—Standard**

—For making berry boxes. The latest improved, operated by foot power, and can be easily operated by anyone. Makes boxes very rapidly. Made in two sizes and can be shipped direct from the factory in Michigan at the following low prices: No. 1 (standard size) each \$25.00; No. 2 (somewhat smaller) each \$23.00.

**STAPLING WIRE.**—To use with the above machine for making boxes. Per pound 15c; per coil of 12 pounds \$1.00; 5 coils or more at 85c.

**MAGNETIC TACK HAMMER.**—Picks up the tacks and saves much of the labor. Each 15c; postpaid 22c.



FOLDING ONE-BUSHEL CRATE

## NURSERYMEN'S SUPPLIES

**GRAFTING WAX.**—A special preparation for application where trees have been pruned; for preventing the loss of sap where wounds are made in the bark or from broken limbs, and for holding grafts together while the parts are growing together. Price,  $\frac{1}{2}$  lb. package 15c; postpaid 22c.

**TREE PRUNER.**—Strong wooden handles 24 inches long; knife 3 inches long. Has cutting knife 2 inches long. Powerful and effective. The best pruner for low-headed trees or where branches are within reach. Each \$1.50.

**WATER'S TREE PRUNER.**—The standard make; with 6-foot pole 85c; 8-foot pole \$1.00; 10-foot pole \$1.20.

**IMPROVED HAND PRUNING SHEARS.**—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape vines, etc. Made of best steel, 8 inches long, spiral spring. Price 75c; postpaid 90c.

#### **CONNECTICUT PRUNING SHEARS.**

—A good tool for most work. Steel blades, flat spring, and malleable handles. Price 50c; postpaid 65c.

#### **KELLEY'S PATENT PRUNING SHEAR.**

—A pruning shear which cuts the twig and holds it. A splendid shear for cutting thorny plants, roses or flowers of any kind. Excellent for picking grapes. Each 75 cents; postpaid 90c.



KELLEY'S PRUNING SHEARS.

**TREE PROTECTORS.**—Made of veneer like berry boxes, dipped in creosote to drive away vermin and make them impervious to weather. Used by simply bending around the tree. Affective against rabbits, ground squirrels, mice and vermin. Per 100 \$1.00; 1,000 for \$7.50.

**TREE LABELS.**— $3\frac{1}{2}$ -inch, plain, copper wire. Per 100 25c; per 1,000 \$1.25. Not wired, per 100 20c; per 1,000 \$1.00.

**POT LABELS.**—Painted wood labels, 4-in. per 100 30c, per 1,000 \$1.25; 6-in. per 100 25c, 1,000 \$1.75; 10-in. per 100 50c, per 1,000 \$4.00.

**CANE PLANT STAKES.**—Per 100 \$1.25.

**SPHAGNUM MOSS.**—For packing plants and soft nursery stock. Write for price in quantity. Large bale \$2.00.

## RAFFIA FOR BASKET WORK

Making Indian Baskets is now attracting a great deal of attention, and the work is taught in public schools, art classes, etc. It is a very interesting and fascinating pastime, is easily learned and many ornamental pieces are made. We furnish the materials in large quantities to schools, as well as to private parties. Our stock is unsurpassed.

**NATURAL RAFFIA.**—Bunch (about 3 oz.) 10c; lb. 25c; 5 lbs. \$1.00.

**COLORADO RAFFIA.**—In many handsome colors, such as light and dark red, pink, three shades of green, light and navy blue, light and dark brown, orange, yellow, black, purple, etc. Bunch (about 2 oz.) 10c; lb. 75c. Mixed colors same price. Bleached white, bunch 15c, lb. \$1.25.

**REEDS.**—(Rattan.)—Any size, 10c per bunch. No. 1 \$1.50 per lb.; No. 2 \$1.25; No. 3 \$1.00; No. 4 85c; No. 5 75c; No. 6 60c.

**Postage.**—If to be sent by mail, add 3c per bunch; 16c per lb. for postage on the above Raffia and Reeds.

**RAFFIA NEEDLES.**—12c per package, postpaid.

**HOW TO DO IT.**—Book on Raffia weaving and basket making; 25c.



SPRAYING APPARATUS FOR FRUIT GROWERS ON NEXT PAGE. YOU SHOULD USE THEM



# SPRAYERS



DAISY SPRAYING PUMP

Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop of fruit. The largest and most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The spraying of apple and plum trees is especially recommended. A circular giving full information mailed free on request. All spray pumps are sent by freight or express, not prepaid, except where noted.

**DAISY SPRAYING PUMP.**—This popular little sprayer is shown by our illustration. We sell hundreds of these which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed to throw a solid stream 20 to 30 feet high and used for washing windows, buggies, etc. By parcel post \$1.32; by express, not prepaid, \$1.00.

**BRANDT COMPRESSED AIR SPRAYER.**—Comparison has led us to offer this as the best compressed air sprayer. With simple plunger action after the manner of the Faultless sprayer it gives continuous uniform pressure, which can be shut off or released by means of small finger lever at the nozzle end. It is especially recommended for garden work as we can furnish extra nozzle attachment by which two rows may be sprayed at once. Price regular



BRANDT COMPRESSED AIR SPRAYER

sprayer made of galvanized iron, each \$5.00. All-brass sprayer, will not rust, each \$6.75. Double nozzle attachment \$1.00.

**FAULTLESS INSECT SPRAYER.**—An all brass hand sprayer. Will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Also fine for spraying grapevines, small trees and shrubbery. By parcel post, brass \$1.14, galvanized iron, 79c, tin 64c. By expr., brass \$1.00; galvanized iron 65c, tin 50c.

**CONTINUOUS FAULTLESS SPRAYER.**—Made like the old standard Faultless Sprayer which has for years been the most popular of this type. Made in such a way that the action of the plunger forces a continuous fine mist spray and the drawing back of the plunger does not stop the flow as it does in the old style sprayer. By parcel post, brass \$1.39, tin 89c. By express, brass \$1.25, tin 75c.

## INSECTICIDES

We cannot send liquids or poisons through the mails, so that all insecticides go by express or freight, not prepaid, unless quoted by parcel post.

**PARIS GREEN.**—For liquid spraying. Use one pound of Paris green to 100 or 200 gallons of water, according to strength desired. It will be found generally strong enough if one-half pound is stirred in a barrel (50-gallon) of water, and allowed to stand twenty-four hours before using. Care must be taken in using all poisonous liquids that animals are not allowed to get at them. In powder form use one pound of Paris green and 20 to 50 lbs. of flour; mix thoroughly, apply evenly, preferably when dew is on plants. ¼ lb. 10c, lb. 35c, 5 lbs. \$1.50.

**ARSENATE OF LEAD.**—Our stock of this is strictly fresh, from one of the best factories in the country, and will be found the best spraying preparation in the entire list for the destruction of insect pests. Use 3 lbs. to 50 gallons of water, or if preferred, use 50 gallons of Bordeaux mixture instead of water for dilution. Price arsenate of lead, 1-lb. can 25c, 5-lb. can, \$1.00, 25-lb keg \$4.

**BORDEAUX MIXTURE.**—Bordeaux Mixture is the standard spraying preparation and this is in form of a condensed liquid. You simply add water in proportion of 25 to 1 and it is ready for use. Per lb. 25c, 5 lbs. 80c.

**LIME-SULPHUR SOLUTION.**—A liquid preparation to be used for general spraying as it is both an insecticide and a remedy for disease. Use with Bordeaux for winter spraying; with Arsenate of Lead for first spring application, and alone for summer spray. (Two pounds of Bordeaux or Arsenate and one gallon of Lime-Sulphur to fifty gallons of water.) Per qt. 30c, half gallon 50c, gallon 80c.

**NICO-FUME.**—A condensed preparation of tobacco almost pure nicotine. Best spraying and fumigating preparation for greenhouse use, since it does not injure plants or blooms and kills aphids, red spider and mealy bugs. Use one ounce in 10 to 15 gallons of water, and it will be even better if a pound of whale oil soap is added. Price 4-oz. can 75c, pint \$2.00, one-half gallon \$7.00.

**HELLEBORE.**—Dust over plants either pure or mixed with flour or plaster. If used pure, exercise care and do not dust it on too freely. If used as a liquid spray, dissolve one ounce in three gallons of water. Price, ¼-lb. pkg. 10c, 1-lb. pkg. 30c, 5 lbs. \$1.25.

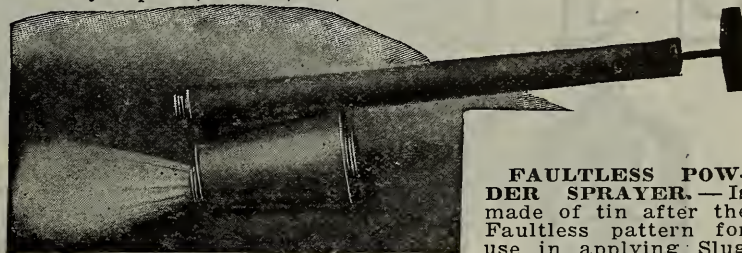
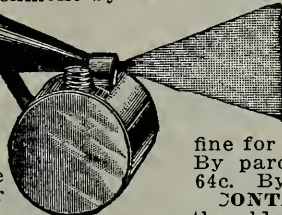
**CROW BRAND INSECT POWDER.**—Best grade. Fresh and nice. It does not pay to use cheap, ordinary grades. Splendid for home use to kill cockroaches ants and flies. By parcel post, ¼ lb. 22c, lb. 62c, 5 lbs. \$2.37. By expr., ¼ lb. 15c, lb. 50c, 5 lbs. or more at 40c.

**FUMIGATING AND DUSTING POWDER.**—Formerly sold under the name of Tobacco Dust. Destroys rose bugs, lice, cut worms, vine bugs, tomato worms, cabbage lice and parasites of all descriptions. Should be applied when foliage is wet. Also a fertilizer for plants and vines. Will not burn or injure the plants. By parcel post, 1 lb. 22c, 5 lbs. 57c. By expr., lb. 10c, 5 lbs. for 25c.

**HAMMOND'S SLUG SHOT.**—A combination of potent insecticides and soluble plant food. It destroys all insects injurious to shrubs, trees, vines, potatoes, melons, cabbage, currants, vegetables and fruits. Though poisonous to insects, it does not injure foliage in the least. By parcel post, 1 lb. 22c, 5 lbs. 73c, 10 lbs. \$1.27. By express, 5 lbs. 35c, 10 lbs. 65c, 100 lbs. for \$5.50.

**BUG DEATH.**—A non-poisonous powder insecticide; it does not injure the foliage of plants but does kill the insects. Used for any kind of plants, specially recommended for potatoes. By parcel post, lb. 27c, 3 lbs. 52c, 5 lbs. 77c. By express, lb. 15c, 3 lbs. 35c, 5 lbs. 50c.

FAULTLESS SPRAYER



FAULTLESS POWDER SPRAYER

**FAULTLESS POWDER SPRAYER.**—Is made of tin after the Faultless pattern for use in applying Slug Shot, lime, Paris green

mixture or any powder form of insecticides. Light and easily handled. Does the work perfectly and is cheap and effective. By parcel post 80c. By express, not prepaid, 60c.

**LIGHTNING WHITWASH PUMP NO. 28.**—A low-priced serviceable bucket spraying pump that will give satisfactory results. It is made of heavy galvanized iron, with brass tops and valves. By parcel post, each \$1.90.

**THE LITTLE GIANT BUCKET SPRAY PUMP.**—Constructed entirely of brass and is provided with a large air chamber and has ball valves, and the pressure is held uniformly so the nozzle throws a continuous spray. Will throw a solid stream 50 to 60 feet; fitted with hose and imperial combination and fine and coarse spray and solid stream nozzle and malleable foot rest. Price by parcel post \$3.44; by express \$3.00. 8-foot pipe extension, by parcel post 64c; by express 50c.

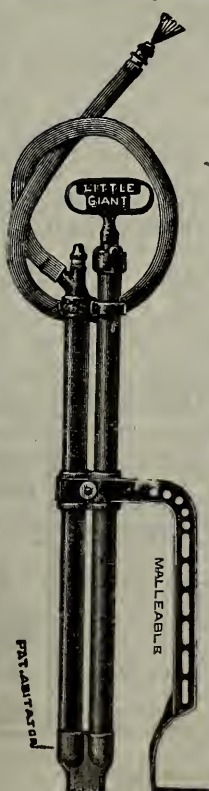
**LEVER BUCKET OR BARREL SPRAY PUMP.**—Similar to the Little Giant but is larger, has lever handle and can be attached to bucket or barrel. Action of the plunger keeps liquid thoroughly mixed by agitation. Made entirely of brass, will not rust. Price each, by parcel post, \$5.37; by express \$4.75. 8-foot extension pipe (for use among large trees), by parcel post 64c; by express 50c.

**BELLOWS.**—Used for applying Slug Shot or any kind of insect powder. It is thoroughly well made and works well. Length 23 inches. Holds 6 ounces of powder. Price by parcel post \$1.73, large \$2.31; by express \$1.50, large size \$2.00.

**DUSTERS.**—Buckets with perforated bottom, used for applying slug shot. Each, by parcel post 54c; by express 40c.

**SHAKERS.**—Tube form to apply Bug Death or insecticide powders. By parcel post, each 37c; by express 25c.

**STAR INSECT POWDER GUN.**—Handy size for house use to blow powder in cracks and crevices. Largely used for killing houseflies. Each 10c, postpaid, 13c.



LITTLE GIANT PUMP

**IF YOU WANT SUCCESS WITH FRUITS OR FLOWERS YOU MUST USE A SPRAYER TO DESTROY INSECTS**



# WINDOW GARDEN SUPPLIES

All goods in this department are sent by express or freight, customer paying charges, unless otherwise noted. Note postpaid prices on items that may go by parcel post.

**WIRE PLANT STANDS.**—We carry a larger stock than any firm in the west, and in place of common iron frames we have them manufactured with steel frames, and they are far stronger, handsomer and lighter than any yet offered. They are well braced in every direction, with good strong casters, and will easily support all the plants that can be placed on the shelves. Nicely finished with green paint and gold bronze. Will last twenty years with proper usage. Weigh only 15 to 40 pounds each. Notice reduced prices.

**NO. 3.**—Similar in style to No. 10, but much larger. Height of stand and arch about 6 feet, width 4 feet, depth 31 inches. Has four legs. List price \$8.00. Our net price only \$6.50.

**NO. 4.**—Like above, but without arch or hanging basket. List, \$6.50; net, \$5.00.

**NO. 6.**—One of our most popular styles, quite ornamental, and for a few plants one of the most desirable. A vining plant at each end of shelf and trained over arch adds to its beauty. Height 6 ft., shelves 36 in. long. List \$5.50; our price \$4.50.

**NO. 7.**—Exactly like No. 6, except that it has no arch or basket. List price \$4.00; our price \$3.40.

**NO. 8.**—Holds a large number of plants and all get equal light. Size 42 inches high, 26 inches deep; has three shelves each 36 inches long; will hold about 30 pots. List price \$6.50; our price only \$5.00.

**NO. 9.**—Same as No. 8, arch and basket added. List \$8.00; our price \$6.50.

**NO. 10.**—A very popular stand, well shown by the engraving, but the arch is Gothic pattern, same shape as No. 3. Holds 20 to 30 plants. Height 5 ft. 10 in.; width 40 in., and 26 in. deep. We sell more of these than any other pattern and are thus enabled to make a specially low price. List price \$7.00; our price, including arch and hanging basket, only \$5.00.

**NO. 11.**—Same as above, without arch or basket. List \$5.50; our price \$4.25.

**WIRE WINDOW SHELF.**—These can be fastened to window frames, either inside or outside. They are strong and attractive, 36 in. long, about 7 in. wide. The border is not as high as shown in the engraving. Each, by parcel post, \$1.22; by express \$1.00.

**WIRE BRACKET.**—This new pattern is a very cheap, handsome bracket, made of tinned wire. Is easily put up, adjustable, can be instantly removed; is simple, practical and durable. By parcel post, 4 in. each 17c, doz. \$1.22; 5 in. each 19c, doz. \$1.47; 6 in. each 22c, doz. \$1.72. Price by expr., 4 in. ea. 10c, doz. \$1.00; 5 in. ea. 12c, doz. \$1.25; 6 in. ea. 15c, doz. \$1.50.

**SULPHO-TOBACCO SOAP.**—For a cheap, effective, clean and harmless insecticide this is unexcelled. Quickly exterminates all insect life on plants and flowers. Unsurpassed for rose bushes. It rids the house of cockroaches and is a superior wash for dogs and all animals. Prevents poultry lice. Three-ounce cake, sufficient for 1½ gals. solution, by mail, postpaid, 13c; by express 10c. Eight-ounce cake, sufficient for 4 gals. solution, by mail, postpaid, 28c; by express 20c. Six eight-ounce cakes, postpaid, \$1.22; by express \$1.00.

**FISH OIL SOAP.**—(Usually called Whale Oil Soap.)—An excellent preparation for plants infested by vermin. Also used against fungus diseases and will keep trunks of trees free from borers or other bark destroyers. Lb. postpaid 40c. By express 25c.

**FLOWER POTS.**—The following prices per dozen are for the pots and saucers; 4-inch 60c, 5-inch 75c; 6-inch \$1.00; 7-inch \$1.50, 8-inch \$2.40, 9-inch \$3.00. We make no charge for packing or delivering at the depot here. Orders for these must amount to at least \$1.00. Many styles of handsome pots, jardinières, vases and hanging baskets at extremely low prices. A nice plant is deserving of one. Cannot go by mail.

**PAPER FLOWER POTS.**—Made of heavy waterproof paper. Fine for growing vegetable plants, pansies, asters, etc. By using these you do not have to disturb the roots of plants when setting out in the open. 2½-in. per doz. 13c, 100 for 57c, postpaid; by expr., doz. 10c, 100 for 40c. 3-in. per doz. 22c, 100 for 77c, postpaid; by expr., doz. 15c, 100 for 60c. 4-in. per doz. 31c, 100 for 117c, postpaid; by expr., doz. 20c, 100 for 90c.

**PLANT TUB.**—Strong, well made wooden tubs; for plants too large for ordinary earthen pots and are cleanly and easy to handle. 12-in., each \$1.25; 15-in., each \$1.75; 18-in., each \$2.25; 21-in., each \$2.75. Cannot mail.

**TYRIAN PLANT SPRINKLER.**—Fine for house plants. You can, without injuring the plants or soaking the earth, quickly and very effectively sprinkle them. Will keep foliage fresh and healthy and free from insects of all kinds. The bent neck enables you to spray from the under sides of the leaves, which are hiding places for insects. It holds about one-half pint. Each 75c, postpaid; by express 70c.

**SCOLLAY SPRINKLERS.**—Made of pliable rubber with hard rubber cap. Large size holds about one pt., small size about one-third pt. Indispensable for floral work. Excellent for washing the foliage of house plants, and sprinkling clothes. Large, each \$1.10, small 65c, postpaid. By exp., large \$1.00, small 60c.

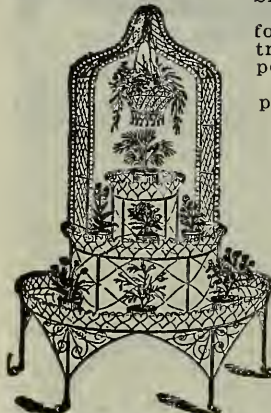
**BOWKER'S FOOD FOR FLOWERS.**—A fertilizer made especially for plants; clean, free from offensive odor and soluble in water, producing healthy plants and abundant blossoms to which it imparts a brilliant color. Box sufficient



No. 10



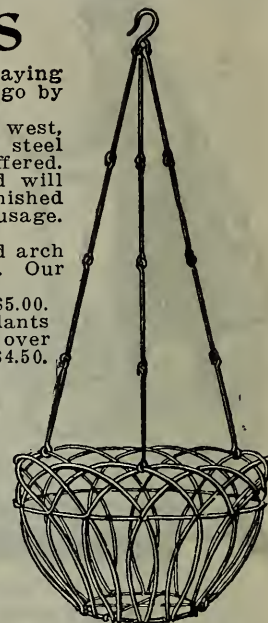
No. 6



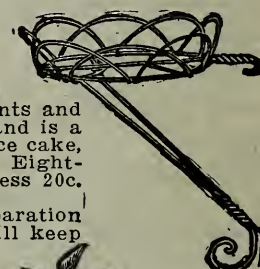
No. 3



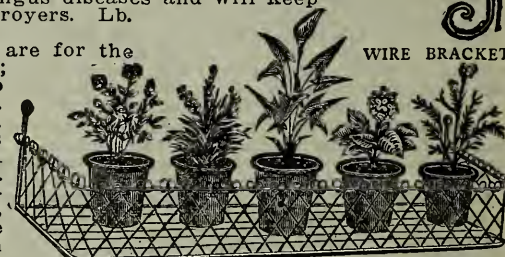
No. 8



WIRE HANGING BASKET



WIRE BRACKET



WIRE WINDOW SHELF

4-in., doz. 27c, 100



SCOLLAY SPRINKLER



TYRIAN SPRINKLER



**STERLINGWORTH PLANT TABLETS.**—A highly concentrated food for plants, put up in small tablets to be dissolved in water and used as needed. No. 1 pkg. (30 tablets) each 10c; No. 2 pkg. (100 tablets) each 25c; No. 3 pkg. (250 tablets) each 50c; all postpaid at prices named.

**WIRE HANGING BASKETS.**—Are made of wire; lined with moss and filled with dirt they are very attractive. Light, strong and durable. Each 8-in. 37c, 10-in. 47c, 12-in. 60c, postpaid. By expr., 8-in. each 25c, 10-in. each 30c, 12-in. each 35c.

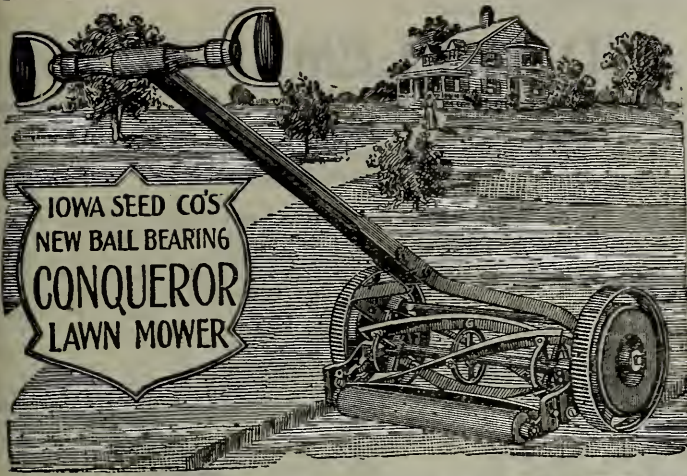
**HANGING BASKET CHAINS.**—Plain three-strand steel chains each 14c, by mail.



for twenty plants one year, 37c, postpaid; small pkg. 25c, postpaid. By express, large pkg. 25c; small 15c.

**WALKER'S EXCELSIOR PLANT FOOD.**—Concentrated fertilizer. Dissolve in water and apply in liquid form. Put up in tin to prevent loss of strength. ½ lb. pkg. 22c, 1 lb. (will make 20 gals. liquid) 37c, 5 lbs. \$1.27, postpaid. By express, ½ lb. 15c, 1 lb. 25c, 5 lbs. \$1.00.





IOWA SEED CO'S  
NEW BALL BEARING  
CONQUEROR  
LAWN MOWER

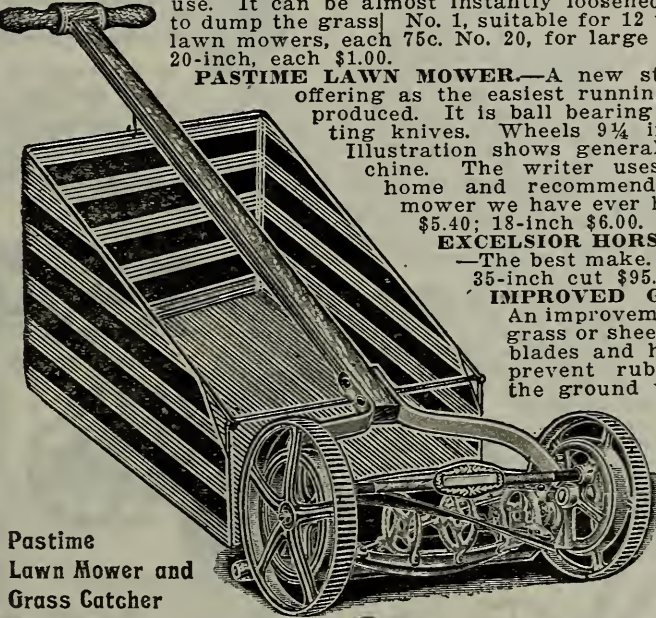
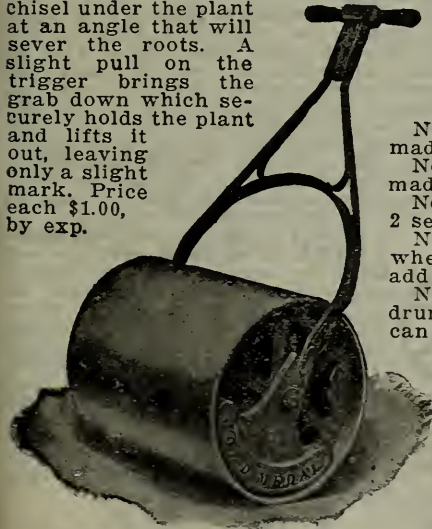
**RUBBER HOSE.**—Few realize the great difference there is in the quality of rubber hose. The price ranges from \$2.00 to \$12.00 per 50-foot length. The low grades will not stand ordinary water pressure and are gone in a few days. The most expensive grades are intended only for steam. For general use the grades which we offer this year are, we believe, superior to any other. We want to warn everyone not to leave their hose out in the sun when not in use, as the water left in it gets very warm and will rot the best of hose. **Bull Dog Brand** (7-ply), extra strong, 50-ft. coil, \$11.50. **Leader Brand** (4-ply), good grade, 50-ft. coil, \$7.50. **Competition Brand**, a cheap, serviceable grade, 50-ft. coil for \$6.00.

**DUDE HOSE REEL.**—It pays to use a reel as it keeps the hose in better shape and saves labor and annoyance. Price by express \$1.25.

**BOSTON HOSE NOZZLE.**—The handiest nozzle. By simply turning the front portion you can throw a spray or solid stream or turn off the water. Brass, by parcel post 59c, by express 50c.

**PLUVIUS LAWN SPRINKLER.**—Has three whirling arms that throw the streams to cover a radius of fifty feet. Each by parcel post \$1.53; by express \$1.35.

**CLIMAX LAWN WEEDER.**—A simple device for removing weeds from lawns. Easily operated and does effective work. Length is 42 in., enabling the operator to stand erect. Push the chisel under the plant at an angle that will sever the roots. A slight pull on the trigger brings the grab down which securely holds the plant and lifts it out, leaving only a slight mark. Price each \$1.00, by exp.



Pastime  
Lawn Mower and  
Grass Catcher

**DUNHAM LAWN ROLLER.**—Easy to handle as a lawn mower. Firms the sod and keeps lawn in fine condition. Will give you a perfect lawn if used frequently and makes mowing a pleasure.

No. 402.—Diameter 15 in., length 24 in.; made in 3 sections; wt. 200 lbs. Ea. \$12.50.

No. 404.—Diameter 20 in., length 20 in.; made in 2 sections; wt. 250 lbs. Ea. \$15.00.

No. 407.—Diameter 20 in., length 24 in.; made in 2 sections; weight 300 lbs. Each \$18.50.

No. 421.—Same as No. 407 but has tray on top where bricks or other articles may be placed to add weight. Each \$24.75.

No. 2424.—The Dunham Water Roller. Steel drum, 24 in. in diameter, 24 in. long. Hollow and can be filled with water or sand to add weight. Ball bearing and easy running. A splendid roller for lawn use. Each \$17.00.

### HOW TO MAKE A LAWN And Beautify the Home

A twenty-page booklet telling how to make a new lawn, how to renew an old lawn and with suggestions of value to home-makers. Mailed free. If you want it simply add it on your order sheet or drop a postal card.

See Pages 42 and 63 for Lawn Grass Seed.

## LAWN FERTILIZERS

**PEERLESS LAWN DRESSING.**—(See page 63.)—Our own preparation from mineral and animal fertilizer, specially made for lawn use. Price, 10 lbs. 60c; 25 lbs. \$1; 100 lbs. \$3; 500 lbs. \$14.

**PURE BONE MEAL.**—(See page 63.)—Unadulterated, practically odorless and clean. A splendid fertilizer for general purposes. Use 50 lbs. per 1,000 sq. ft. for top dressing or plowing under. Price, 10 lb. pkg. 50c; 50 lbs. \$1.25; 100 lbs. \$2.25; 500 lbs. \$11.

**PULVERIZED SHEEP MANURE.**—(See page 63.)—A natural manure prepared in least offensive form and the best animal product for lawn or garden work. Use 50 lbs. per 1,000 square feet of surface for top dressing or plowing under. Price, 10 lb. pkg. 50c; 50 lbs. \$1.25; 100 lbs. \$2.25; 500 lbs. \$11.00.

## LAWN SUPPLIES OF THE BEST QUALITY

**NEW BALL BEARING CONQUEROR LAWN MOWER.**—The shaft is extra heavy, bearing four cutting knives and it runs at a high speed compared to ordinary lawn mowers. This gives it a continuous cut, and makes a smoother, cleaner lawn. The wheels are nine inches in diameter with skeleton rims. It has parallel bearings provided with micrometer adjustment, so that practically it cannot wear out. Stationary knife is of the best cast steel, hardened, tempered and self-sharpening. In all respects it is designed for hard, continuous service, and still the ball bearings and all parts are so perfectly adjusted that it runs as easy as a bicycle. As will be noticed the handles are a new style made specially for us. If desired we can furnish mowers with ordinary handles at 50c less. Price for mower cutting 14-inch swath \$6.50; 16-inch \$7.00; 18-inch \$7.50.

**GRASS CATCHERS.**—The most successful device yet brought out for the purpose. It is easily attached to the handle only; it does not interfere in any way with the action of the mower. Our illustration shows it adjusted ready for use. It can be almost instantly loosened at the lower end to dump the grass! No. 1, suitable for 12 to 16-inch ordinary lawn mowers, each 75c. No. 20, for large mowers, size 16 to 20-inch, each \$1.00.

**PASTIME LAWN MOWER.**—A new style which we are offering as the easiest running lawn mower yet produced. It is ball bearing and has four cutting knives. Wheels 9 1/4 inches in diameter.

Illustration shows general style of the machine. The writer uses one at his own home and recommends it as the best mower we have ever had. Price, 16-inch \$5.40; 18-inch \$6.00.

**EXCELSIOR HORSE LAWN MOWER.**

—The best make. 30-inch cut \$80.00, 35-inch cut \$95.00, 40-inch \$120.00.

**IMPROVED GRASS SHEARS.**

An improvement on the ordinary grass or sheep shears. Has long blades and handle is curved to prevent rubbing knuckles on the ground when using. Each by parcel post, 57c, by exp. 50c.

**GRASS HOOKS**

**OR SICKLES.**—Useful for trimming the edges of lawns, etc. By parcel post, good quality 44c; best 59c; by express, good quality 35c, best quality 50c.

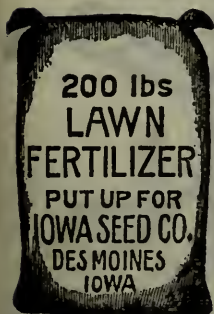


IRON RESERVOIR VASE

**IRON RESERVOIR VASES.**—(Home Pattern.)—Splendidly useful and ornamental for lawn or cemetery adornment. The reservoir holds water and the plants secure moisture by capillary attraction as needed.

**No. 7.**—Similar to illustration. Diameter of vase 22 inches; height to top of handles 30 1/2 inches; reservoir capacity 7 1/2 gallons. Price each (painted white) \$12.00.

**No. 1.**—Same as No. 7 but is higher. Has pedestal 15 inches high between base and reservoir making total height of 45 inches to top of handles, other dimensions same as No. 7. Price each (painted white) \$19.

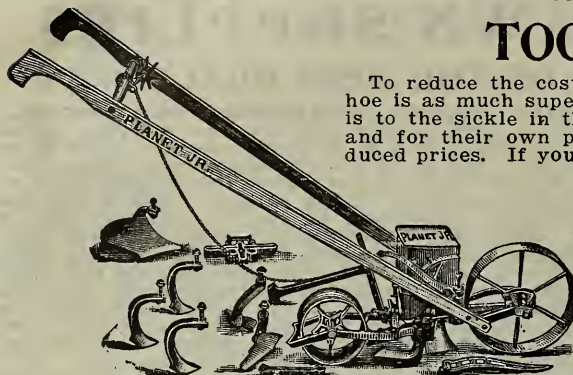


200 lbs  
LAWN  
FERTILIZER  
PUT UP FOR  
IOWA SEED CO.  
DES MOINES  
IOWA



# TOOLS AND IMPLEMENTS

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a mowing machine is to the sickle in the hay field. All of the following tools have been thoroughly tested and for their own particular class of work have given splendid satisfaction. Notice reduced prices. If you desire it we will send illustrated circular describing any of the tools in which you are interested.



PLANET JR. NO. 4 SEEDER AND CULTIVATOR

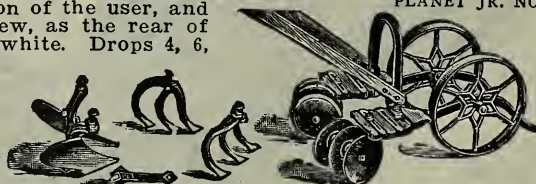
PLANET JR. NO. 4 PLAIN DRILL.—The drill part only of above machine. Price \$8.50.

PLANET JR. NO. 1 COMBINED DRILL AND CULTIVATOR.—This is a most popular sort. As a hoe it works safely to and from both sides of the row at once, or between rows. As a cultivator it is admirably adapted to deep mellowing of the soil. Each machine sent out with the tools shown in cut. Price \$9.00. Pair of rakes for same, 50 cents extra.

PLANET JR. NO. 3 SEED DRILL.—We regard this drill as the acme of perfection and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills 4, 6, 8, 12 or 24 inches apart. It opens the furrows, drops in hills or drills, covers, rolls down and marks next row, all at one operation. Has force feed, sows equally well whether hopper is full or contains only paper of seed. Price \$10.00.

PLANET JR. NO. 25 COMBINED SEEDER AND CULTIVATOR.—A large drill and double wheel hoe, intended especially for market gardeners. Sows all kinds of garden seeds in hills or drills, and combines with it a double wheel hoe, cultivator and plow. Ask for descriptive circular. See illustration below. Price \$13.00.

PLANET JR. NO. 6, HILL AND DRILL SEEDER AND CULTIVATOR.—This is the latest Planet Jr. Combined Drill. It has a single wheel, 16½ inches high, making it easy to operate. It is either a hill or drill dropper, at the option of the user, and the seed drops in full view, as the rear of the spout in open and is white. Drops 4, 6, 8, 12 and 24 inches apart as desired. Cultivating attachments are 2 hoes, 3 cultivator teeth and a plow. Fully described in Planet Jr. Catalogue. Mailed free if you want it. Price complete \$13.00.



PLANET JR. NO. 12 DOUBLE-WHEEL HOE

PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE



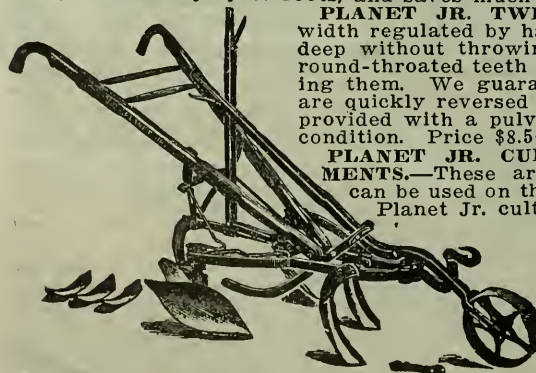
FARMERS' SINGLE-WHEEL HOE  
FARMERS' SINGLE-WHEEL HOE. Especially designed for the farmer's garden work. The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-in. sweep, 6-in. sweep, 4-in. and 2-in. cultivator teeth. Price \$3.75.

PLANET JR. NO. 8 HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator. In use all over the civilized world and so well built as to stand incredible strain, yet light and easy to handle. The depth is under perfect control by a new lever wheel, making exact work, steady machine and relieving operator. The reversible side hoes act as plows or hillers; works shallow and close, without injury to roots, and saves much hand labor. Price \$8.50.

PLANET JR. TWELVE-TOOTH HARROW.—Depth and width regulated by hand levers while in motion. Cultivates deep without throwing earth upon plants, and its smooth, round-throated teeth turn strawberry runners without injuring them. We guarantee it to prevent clogging, and teeth are quickly reversed by changing a single bolt in each. Is provided with a pulverizer which leaves the ground in fine condition. Price \$8.50; or, without the pulverizer, \$7.25.

PLANET JR. CULTIVATING ATTACHMENTS.—These are interchangeable and can be used on the frames of any of the Planet Jr. cultivating tools whether combined drills or double wheel hoes.

Cultivator teeth, not prepaid, at the following prices per pair:  
Write for price if to go by mail.  
Regular cultivator teeth.....70c  
Three-tooth rakes.....70c  
Five-tooth rakes.....90c  
Six-inch hoes.....90c



NO. 8 HORSE HOE



NO. 17 SINGLE-WHEEL HOE

PLANET JR. NO. 16 SINGLE - WHEEL HOE.

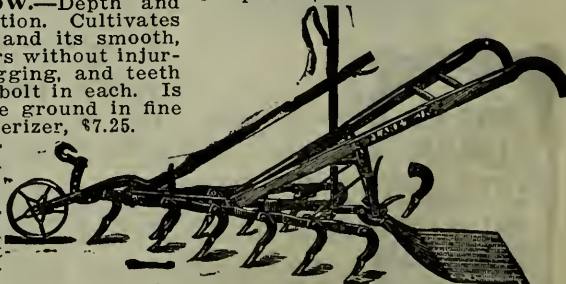
—The latest and best single - wheel hoe; has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has an 11-inch wheel, with broad face; is very light, strong and easy running. It has an adjustable handle and quick-change frame. The tools are a well-shaped plow, a pair of 6-inch shield hoes and 3 all-steel patent cultivator teeth; set of 2 rakes and a practical leaf guard. Price \$5.35.

PLANET JR. NO. 17 SINGLE-WHEEL HOE.—Has one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and should be very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price \$4.50.

PLANET JR. NO. 12 DOUBLE-WHEEL HOE.—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until plants are 18 inches high, then wheels can be set close together and work between rows. Does the work of six men with ordinary hand hoes. Attachments, one pair 6-in. hoes, two pair hollow steel cultivator teeth, pair plows, pair leaf lifters. Price \$6.50.

PLANET JR. NO. 13 DOUBLE-WHEEL HOE.—Is identical with No. 12, described above, but has only one pair of hoes, no other attachments. Price \$4.25.

PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE.—A new tool specially serviceable for heavy soils. There are three discs on each side, of which two or more may be used as desired, and can be adjusted for depth. Two sets of prong cultivator teeth. Tooth next to row is narrow to run shallow, middle tooth wider and runs one-half inch deeper, outside tooth much wider, runs deeper still. Two plows of regular Planet Jr. model. Price complete \$7.50.



PLANET JR. TWELVE-TOOTH HARROW

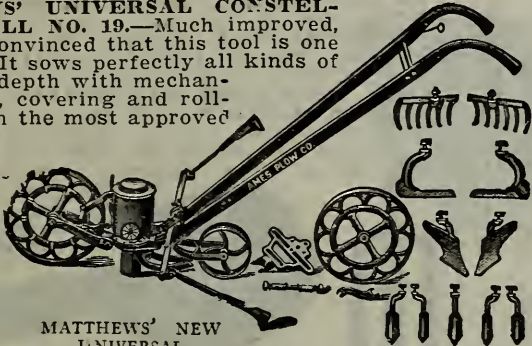
Seven-inch hoes.....\$1.00  
Eight-inch hoes.....1.10  
Disc hoes.....2.25  
Three-tine cultivator teeth...1.30



**NEW UNIVERSAL HILL AND DRILL SEEDER CULTIVATOR, PLOW, RAKE AND MARKER NO. 22.**—The seeding attachment will plant in drills and in hills in distances from 4 to 48 in. We advocate using seeders with one wheel. An extra wheel is packed with each implement to allow use of cultivating attachments with either one or two wheels. These attachments, as illustrated, accompany each implement. By removing two bolts, seeder attachment is removed, and by use of same bolts handles and arch are attached to cultivating frame. Arch 20 in. high, allowing cultivation to that height. Adjustable pads allow expansion. Price \$9.50.



**NEW UNIVERSAL HILL AND DRILL SEEDER NO. 22 MATTHEWS' UNIVERSAL CONSTELLATION DRILL NO. 19.**—Much improved, and we are convinced that this tool is one of the best. It sows perfectly all kinds of seeds at any depth with mechanical precision, covering and rolling it down in the most approved manner; has a complete set of cultivating attachments, consisting of plows, hoes, rakes and cultivator teeth, as shown in cut. Can be used either with one or two wheels, and the seeding apparatus is detachable and interchangeable with the cultivator tools. Price only \$8.00.



**MATTHEWS' UNIVERSAL GARDEN DRILL.**—A new one-wheel drill of superior merit. It is particularly well adapted to planting all kinds of garden seeds. The depth may be gauged to any required space and will make a uniform deposit of the seeds. The single-wheel seeder is considered by many as superior to any double-wheel drill. Price each \$6.25.

**UNIVERSAL DOUBLE-WHEEL HOE.**—Complete.—A greatly improved implement which will work both sides of row at once in a most thorough manner. Has all attachments shown in cut, consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Also a pair of leaf lifters or vine guards for use when plants become larger. The adjustable arch not only forms a means for gauging the depth of the work to be performed but, by an ingenious device enables the teeth to be pitched at any angle desired. Price, each, only \$5.00.

**UNIVERSAL DOUBLE HOE.**—Plain.—The above tool with wheel hoe complete only one pair of hoe blades, for \$3.50.

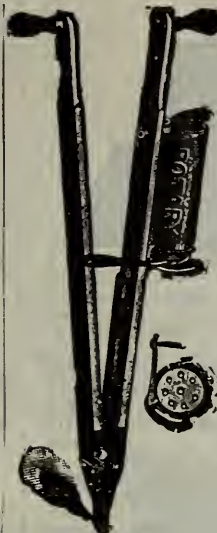
**AMES WESTERN GARDEN DRILL.**—Made by the manufacturers of the Matthews tools. Neat, light and strong. Adjustable wheel gauge regulates the depth of planting. Change of feed can be made without taking the machine from the ground. Can be thrown out of gear without letting go of handles. Has double markers so that the next row is marked without changing from side to side. Price each \$6.00.



**McGEE GARDEN CULTIVATOR.**—A double-wheel hoe with a spring arch which gives the operator control so he can run as close to the row as desired. Is supplied with a pair of hoes and two double-shovel cultivator teeth. Price each \$5.00.

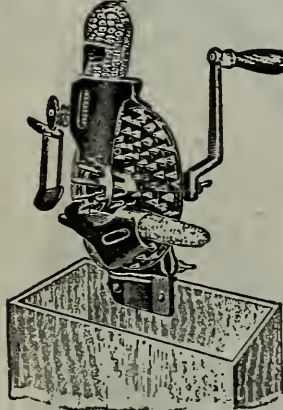
**Extras for McGee Cultivator.**—Pair of rakes \$1.00; pair of leaf guards 60 cts.; pair of plows \$1.25; pair of scroll knives \$1.00.

MC GEE SPRING GARDEN CULTIVATOR



**SEGMENT HAND CORN PLANTER.**—A hand corn planter which can be operated with one hand, and an immense amount of ground can be planted in one day with this small planter. Drops as fast as you can walk, and you make it drop where you want it. You open the drop by simply bending planter forward, thus pressing the spring which controls the hopper opening and permit the corn to fall through. You can also plant beans or peas with it and it drops pumpkin seed by a simple operation without interfering with the corn planting. Is a popular and successful tool and for small fields or replanting is specially desirable. Price each by parcel post, \$1.57; by exp. \$1.25.

**ROTARY CORN PLANTER.**—This is one of the best hand corn planters made and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. Price by parcel post, \$2.00; by express \$1.50.



**STAR CORN SHELLER.**—A specially desirable sheller for hand use. Has an attachment for shelling tips and butts separately, making it desirable in saving seed corn. We also supply an extra attachment for shelling pop corn which can be used as desired. Can be fastened on a box and has a reversible chute which throws the cobs out at the rear away from the shelled corn. It is strong and well made and will last a lifetime. At the very low price at which it is offered, and considering its durability, we consider it the best hand corn sheller on the market. Can be shipped only by express. Not prepaid. Price each, \$1.25; dozen, \$14.00.

**PLANTER PATENT SEED CORN GRADER.**—Single Sieve.—A sieve grader 12x18 in. in size with screen of heavy galvanized iron and mesh especially suited to grading seed corn before planting. A cheap, quick and effective method of eliminating tip and butt grains and preparing seed for edge dropping. Will pay for itself if you only plant five acres. Each by parcel post \$5c; by express 65c.

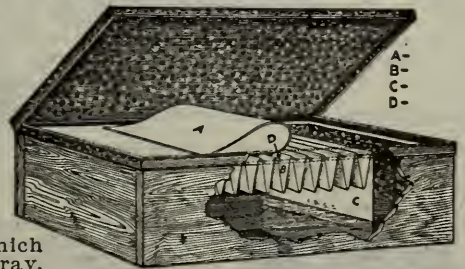


**Double Sieve.**—Two sieves attached so that the upper takes out the large trash and butt grains while the lower allows tip, grains and chaff to drop through. Makes good separation. Each by parcel post \$1.32; by express \$1.00.

**IOWA SEED TESTER.**—This is a tester made by ourselves. It has been developed by 20 years actual use in testing seeds sold by us. First is a metal box about 4 inches deep, surrounded by an asbestos protector and covered with a neat wooden case. This triple arrangement makes it proof against changes in temperature. Over metal rods which extend across the tray, there are suspended pleated strips of very porous material. These pleats form pockets into which the seed is placed. The ends of the strip hang down into the water which covers the bottom of the box to a depth of about an inch. The strip draws up water by capillary attraction the same as a lamp wick draws up oil. This is the correct method of conveying moisture. The seeds are never oversoaked, never too dry.

**NO. 1.**—Holds 100 tests of corn or 160 of grain or seeds. Furnished with 80 rods and pockets. Price by parcel post \$3.94; by express \$3.50.

**NO. 2.**—Holds 160 tests of corn or 240 of grain or seeds. Furnished with 120 rods and pockets. Price by parcel post \$5.68; by express \$5.00.



IOWA SEED TESTER



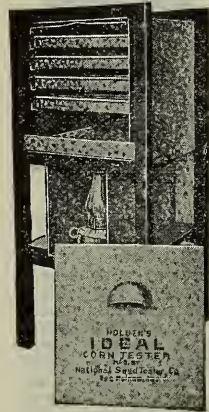


**HOLDEN'S IDEAL CORN TESTER.—NO. 1.**—Made of galvanized iron as per pattern shown in the illustration. It is for testing ears of seed corn before shelling for seed. Capacity of this size 400 ears (one to each compartment) and each compartment is removable at will. It is quite simple in operation and full directions for use will be sent with each tester. By express or freight, not prepaid, \$10.00.

**HOLDEN'S IDEAL CORN TESTER.—NO. 2.**—A cabinet tester as shown in illustration, with capacity for 1,000 tests at one time. By express or freight, each \$15.00.

**NO. 4.**—A single box tester of galvanized iron; capacity 200 tests. By express or freight \$5.00.

**IMPROVED LITTLE GIANT SEED SOWER.**—Every farmer ought to have a small hand seed sower for emergency use. This is an improved style, strong, well made and durable. Very easy to understand and operate. Directions with each machine. By parcel post, each \$1.51; by express \$1.25.



#### EUREKA POTATO PLANTER.

—The best hand potato planter that we know of as it does the work perfectly. It also plants beans and corn equal to any corn planter. See illustration. Price by parcel post, \$1.57; by express \$1.25.

**FREEMAN FARM FANNING MILL.—Double Shoe Type No. 1.**—A splendid mill for general farm work. The upper shoe holds the screens for coarse dirt, straw and large trash, while the lower shoe holds the screens for the very fine weed seeds, sand, etc., so that a first-class job of cleaning is easily done. Has a very large amount of screen surface and will easily clean 50 to 75 bushels per hour. Complete outfit has one 3-screen hurdle, 5 grain screens, 1 cockle board, 1 flax sieve, 2 clover sieves, 3 timothy sieves and 1 timothy or sand screen, all 22 inches wide. Shipped "knocked down" to save freight, unless otherwise ordered. Price, f. o. b. Des Moines, \$17.00; or if shipped from the factory in Wisconsin, price is \$15.00.

**No. 2.**—For grain only; does not have the sieves or screen for seeds, but is same otherwise. Price f. o. b. Des Moines, \$15.00; or if shipped from factory, price is \$13.00.

**CLIPPER SEED-CLEANER.**—This is an up-draft fanning-mill and does the best work in cleaning all kinds of seed and grain; more of these are used by seed dealers than all other makes combined, and farmers would save the price of a mill in many cases by cleaning and grading up their grain before selling. A Clipper will pay for itself in one year by the increase in yield resulting from carefully cleaned seed grain. Price, only \$25.00, or if sent direct from the factory in Michigan, only \$22.00.



CLIPPER SEED CLEANER



EUREKA POTATO PLANTER

**LANG'S HAND WEEDER.**—Is in our opinion the best; its special feature a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c, \$2.50 per dozen, or 30c each, postpaid.

## LANG'S HAND WEEDER

HANDIEST TOOL ON EARTH.

30¢

By Mail PREPAID

**EXCELSIOR WEEDING HOOK.**—Can be used to great advantage among small and tender plants. Price by parcel post each 15c, doz. \$1.26; by express each 10c, doz. \$1.00.



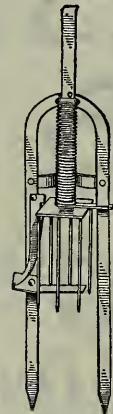
**BLUE GRASS STRIPPERS.**—For gathering seeds. Each by parcel post \$2.26; by express \$2.00.

**GARDEN TROWELS.**—By parcel post 5-in. 15c; 6-in. 20c. By exp. 5-in. 10c, 6-in. 15c.

**FLORIST TROWELS.**—Extra heavy and durable. Best made. By parcel post ea. 38c; by exp. 25c.

**"NEVERBREAK" GARDEN TROWELS.**—Extra heavy, strong, durable. By parcel post 33c; by express 25c.

**DIBBER.**—Steel pointed, for transplanting vegetable plants. Each by parcel post 33c; by express 25c.



LITTLE GIANT MOLE TRAP

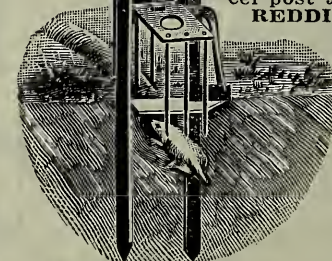
**CONCAVED AND CURVED SEED POTATO KNIFE.**—Is thin and of right shape to cut one, two or three eye pieces fast and not crack the tuber or injure the germ. Far superior to the ordinary straight-blade knives for this purpose. Ea. by parcel post 30c; by express 25c.



#### CONCAVED AND CURVED POTATO KNIFE.

**LITTLE GIANT MOLE TRAP.**—Not so large as the Reddick, but principle is similar. Strong, durable and will do the work. Easily set. Has a strong spring with great force. Each by parcel post 95c; by express 75c.

**REDDICK MOLE TRAP.**—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Price by parcel post \$1.26; by express \$1.00.



REDDICK MOLE TRAP

**EUREKA SEED DRILL.**—A small hand drill for vegetable seeds in beds. Gardeners will like it for sowing seeds in hotbeds. By parcel post \$1.51; by express \$1.25.

## COMMERCIAL FERTILIZERS

**KAINIT.**—A natural mineral product containing 12 per cent of potash and 33 per cent salt, in available soluble form. Use 200 lbs. per acre, broadcast at spring plowing. Price per 100 lbs. \$1.50, 500 lbs. \$7.00.

**NITRATE OF SODA.**—Imported from the great nitre beds in Chili. It is the most popular fertilizer for stimulating vegetable growth. Use sparingly. Generally applied direct to the hills of growing plants. Price per 10 lbs. 65c, 50 lbs. \$2.25, 100 lbs. \$4.00.

**ACID PHOSPHATE.**—A ground mineral containing about 14 per cent phosphoric acid, a constituent highly important in balanced fertilizer for farm crops. Use 200 lbs. per acre broadcast at spring plowing. Per 100 lbs. \$1.50, 500 lbs. \$7.00.

**SULPHATE OF POTASH.**—A concentrated mineral fertilizer with 52 per cent available potash. So very strong that it is only used in small quantity (about 50 lbs. per acre) or as a part of fertilizer mixtures. Best for garden and lawn uses. Per 10 lbs. 65c, 50 lbs. \$2.25, 100 lbs. \$4.00.

**MURIATE OF POTASH.**—A different product from above but nearly as strong and is to be used in like manner. Contains 48 per cent available potash. Best for field and grain crops. Price per 10 lbs. 65c, 50 lbs. \$2.25, 100 lbs. \$4.00.

**PEERLESS GRAIN FERTILIZER.**—A mixture of commercial fertilizers in such proportion as will furnish nitrogen, phosphorus, humus and potash for the growing corn or small grain, and has the additional advantage of destroying root and wire worms in the soil. Especially recommended on fields where corn is grown several years in succession. 300 lbs. per acre broadcast at spring plowing. Price per 100 lbs. \$2.75, 500 lbs. \$12.00, 2,000 lbs. \$34.00.

EVERY FARMER SHOULD OWN A FANNING MILL TO CLEAN GRAIN AND GRASS SEEDS



# POULTRY SUPPLIES



**PLYMOUTH ROCK CHICK FOOD.**—This food has been prepared with the idea of supplying a perfectly balanced ration for young chicks. It has been demonstrated that young chicks do much better on our especially prepared feed than on any moist or soft food that can be obtained. The food is composed of various kinds of grains, bone and other nutritive foods, making it the most complete and cleanest

chick food on the market. Price per 25 lb. bag 75c, 50 lbs. \$1.25, 100 lbs. \$2.25.

**PLYMOUTH ROCK HEN FOOD.**—In the preparation of this food we have had in mind the production of the best food that could be made for laying hens and the keeping of all fowls healthy. Price, 25 lbs. 60c, 100 lbs. \$2.00.

**PLYMOUTH ROCK POULTRY MASH.**—A mash food containing much the same ingredients as Plymouth Rock Hen Food. 25 lbs. 65c, 100 lbs. \$2.25.

**PLYMOUTH ROCK POULTRY FAT-TENER.**—A mash for finishing poultry for market. 25 lbs. 60c, 100 lbs. \$2.00.



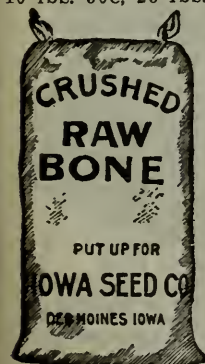
**HAWKEYE CHICK FOOD.**—We do not add grit or shell to our Plymouth Rock brands of poultry foods but this brand contains both in the proper amounts. The grits used are small sizes suitable for the growing chicks. 25 lbs. 60c, 100 lbs. \$2.00.

**HAWKEYE HEN FOOD.**—Is like the Plymouth Rock Hen Food but has grit and shell added to the formula. Price, 25 lbs. 60c, 100 lbs. for \$1.85.

**SPRATT'S CHICK MEAL.**—Specially prepared to be used as a food for young chicks. It keeps them healthy and thrifty. 5 lbs. 50c, 25 lbs. \$2.00.

**ALFALFA CLOVER MEAL.**—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash food. Valuable as a winter food. Price, 10 lbs. 25c, 25 lbs. 50c, 100 lbs. \$1.60.

**GROUND BEEF SCRAPS.**—Fresh beef thoroughly cooked and dried; excellent food for young chicks or laying hens. 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. \$3.50.



**CRUSHED RAW BONE.**—Really better than the shell, but will pay to use both. Best quality, made from fresh bones. 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. for \$2.75.

**RAW BONE MEAL.**—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs. 45c, 25 lbs. for 85c, 100 lbs. \$2.50.

**CRUSHED CLAM SHELL.**—Harder than oyster shell, and not dissolving so

readily, will serve as grit; contains a large amount of available lime necessary in egg production. Price, 25 lbs. 35c, 100 lbs. 75c, 500 lbs. at 70c per 100.

**CRUSHED OYSTER SHELL.**—A most important article for the poultry yard and should be supplied liberally. Superior quality. Hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. 10 lbs. 25c, 25 lbs. 40c, 100 lbs. \$1.00, 500 lbs. \$4.50.

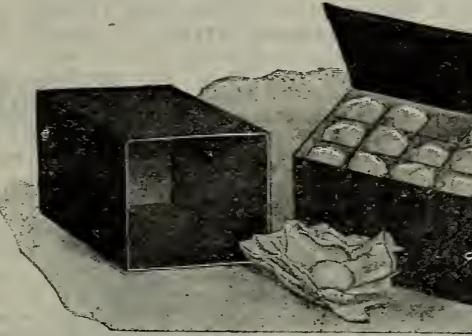
**PEARL GRIT.**—No better grit can be found for poultry. Sharp and wears sharp. Per 25 lbs. 35c, 100 lbs. 85c, 500 lbs. or more at 75c per 100 lbs.

**PEARL CHICK GRIT.**—A small grit which is a necessity when raising young chickens. Per 25 lbs. 30c, 100 lbs. 85c, 500 lbs. or more at 75c per 100 lbs.

**CHARCOAL.**—Granulated to just the right sizes for either poultry or chicks. Two sizes, 5 lbs. 35c, 10 lbs. 50c, 25 lbs. \$1.00, 50 lb. bag. \$1.50.

**MEDICATED CHARCOAL.**—Claimed to be better than ordinary charcoal. 5 lbs. 50c, 10 lbs. \$1.00, 25 lbs. \$2.25.

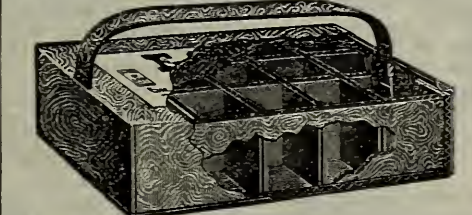
**CLIMAX BASKETS.**—Are desirable for shipping eggs for setting; will hold two settings of Leghorns, etc., or one of Asiatic. Price per 10 50c, 50 for \$1.75, 100 for \$3.50.



**SHIPS SAFE EGG CASES.**—Similar to above but shipped in flat, saving freight or express charges. We recommend them. Price, 15-egg size \$1.25 per doz., 30-egg \$2.00 per doz., 50-egg \$3.00 per doz., 100-egg \$5.00 per doz.

**SEFTON LIVE CHICK BOX.**—Made from corrugated paper with ventilating holes in top and sides; for shipping small, live chicks. 25-chick size \$1.50 doz., 50-chick size \$2.00 doz., 100-chick size \$3.50 per doz.

**EYRIE EGG BOX.**—Made of corrugated paper. Very strong, light and durable. Self-locking. No. 1 holds 15 eggs, per dozen \$1.75. No. 2 holds 30 eggs, per dozen \$2.50.



**LAMBERT'S DEATH TO LICE.**—A remedy for poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. By parcel post, trial pkg. 18c, 1 lb. 37c, 3 lb. pkg. 76c. By express, trial size 10c, 1 lb. pkg. 25c, 3 lb. pkg. 50c.

**CONKEY'S LICE POWDER.**—One of the most perfect lice killers. Also good for fleas on dogs and other animals. By parcel post, 1 lb. pkg. 37c, 3 lb. pkg. 76c, 7 lb. pkg. \$1.42. By express, 1 lb. pkg. 25c, 3 lb. pkg. 50c, 7 lb. pkg. \$1.00.

**LEE'S INSECT POWDER.**—Use on fowls, in nests, and among the litter. Has sprinkler top to the can. By parcel post, 20 oz. pkg. 37c, 3 lb. pkg. 76c. By exp., 20 oz. pkg. 25c, 3 lb. pkg. 50c.

**ANTISEPTIC NEST EGGS.**—Keeps vermin from the nests and causes them to leave fowls. By parcel post, each 8c, doz. 57c. By express, per doz. 45c.

**GLASS NEST EGGS.**—5c each, 42c per doz., 4 doz. for \$1.25, postpaid.

**PRATT'S POULTRY REGULATOR.**—(Formerly called Pratt's Poultry Food.)—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. By parcel post, 26 oz. pkg. 37c, 4 lb. pkg. 77c, 9 lb. pkg. \$1.52. By express, 26 oz. pkg. 25c, 4 lb. pkg. 50c, 9 lb. pkg. \$1.00.

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation to be paid by purchaser except where marked postpaid.

**CONKEY'S ROUP CURE.**—An excellent remedy that has been thoroughly tried and has given excellent satisfaction. Trial size 25c, regular size 50c, large size \$1.00, postpaid.

**CONKEY'S CHOLERA CURE.**—We consider this the most dependable cholera cure known. Used for cholera, indigestion, bowel trouble, diarrhoea and kindred diseases. Trial size 25c, regular size 50c, postpaid.

**CONKEY'S LAYING TONIC.**—A splendid item for laying hens, and beneficial to all poultry. By parcel post, 24 oz. pkg. 37c, 3 1/4 lb. pkg. 77c, 7 1/2 lb. pkg. \$1.42. By express, 24 oz. pkg. 25c, 3 1/4 lb. pkg. 50c, 7 1/2 lb. pkg. \$1.00.

**LEE'S EGG MAKER.**—Sold under a manufacturer's guarantee to make hens lay. Foundation is granulated blood,

deodorized. By parcel post, 2 1/2 lb. pkg. 42c, 5 lb. pkg. 82c. By express, 2 1/2 lb. pkg. 25c, 5 lb. pkg. 50c.

**LEE'S GERMOZONE.**—A liquid to be given in the drinking water of fowls. It will cure cholera, roup and nearly all poultry diseases. By parcel post 62c, by express 50c.

**GERMAZONE TABLETS.**—Lee's Germazone in the form of small tablets to be dissolved in drinking water of the fowls. Per box of 50 tablets, postpaid, 50c.

**LEE'S LICE KILLER.**—A liquid that will eradicate lice, mites and chiggers, by applying to roost and nest boxes. It is now considered the standard liquid lice killer. By parcel post, qt. 52c, 1/2 gal. 82c, gal. \$1.52. By exp., qt. 35c, 1/2 gal. 60c, gal. \$1.00.

**CONKEY'S LICE LIQUID.**—For painting roosts, nest boxes, coops and houses. Kills lice and mites. By parcel post, qt. 52c, 1/2 gal. 82c, gal. \$1.52. By exp., qt. 35c, 1/2 gal. 60c, gal. \$1.00.

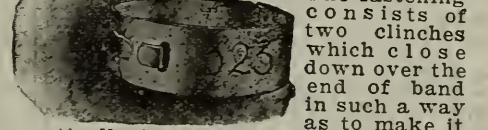


LEADER LEG BAND

**LEADER LEG BAND—No. 2.**—An adjustable band which can be used for any sized fowl from a bantam to a turkey. Made of aluminum, light and smooth. Doz. 20c, 100 65c, postpaid. 500, not prepaid, \$2.75.

**LEADER LEG BAND—No. 1.**—For bantams and smaller breeds. Doz. 20c, 100 65c, postpaid; 500, not prepaid, \$2.75.

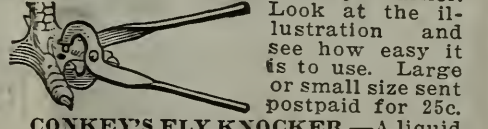
**DOUBLE CLINCH LEG BANDS.**—The fastening consists of two clinches which close down over the end of band in such a way as to make it



practically impossible to lose them off. Prices, postpaid, doz. 20c; 50, 40c; 100, 65c; not prepaid, 500, \$2.75.

**PHILADELPHIA POULTRY MARKER.**—A convenient little spring punch for marking chickens. Marks small hole in web of the foot. 25c each, postpaid.

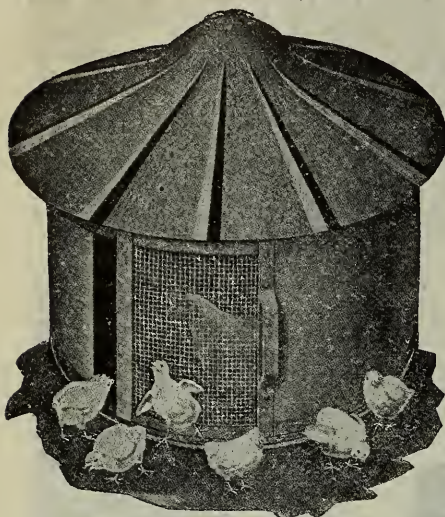
**PILLING LANSOWNE POULTRY MARKER.**—A handy poultry marker.



Look at the illustration and see how easy it is to use. Large or small size sent postpaid for 25c.

**CONKEY'S FLY KNOCKER.**—A liquid that kills all flies and insects it strikes, and drives others away. A great relief to cows and horses. Especially valuable to dairymen. Stock sprayed with Fly Knocker will not be troubled with insects while feeding. By parcel post, qt. 52c, 1/2 gal. 82c, gal. \$1.52. By exp., qt. 35c, 1/2 gal. 60c, gal. \$1.00.





**LUTHE BROOD COOP.**—Round metal coop, made of galvanized iron, with sliding door which can be fastened open at desired size. Adjustable top for ventilation. Rat, mink, weasel, mite and rain proof. Size 22 in. diameter, 20 in. high. Each \$1.60; doz. \$18.00.

**SUCCESSFUL SANITARY BROOD COOP.**—Made of galvanized iron. Rat, mink, weasel, mite and rain proof.

No. 1—17½x23 in.; height, front 16 in., rear 12 in. Each \$1.75, doz. \$19.00.

No. 2—23½x29 in.; height, front 24 in., rear 18 in. Each \$3.00, doz. \$32.00.

No. 3—23½x29 in.; height, front 16 in., rear 12 in. (for young chicks). Each \$2.50, doz. \$27.00.

**EMPIRE EXHIBITION COOP.**—The standard make, used by nearly all first-class shows:

**Style AA.**—Length 2 ft., width 2 ft., height 27 in., with solid ends and wire back \$3.00. With solid veneer back \$3.20.

**Style C.**—Is 4 ft. long with two compartments each of which is 22x24x26 in. Price with solid veneer ends, wire back and front, \$4.60; with solid ends and back \$5.00. We also carry the Style AA fronts 2 ft. long at 90c each. Style C fronts 4 ft. long at \$1.75 each. Larger sizes ordered when wanted.

**ECLIPSE EXHIBITION COOP.**—The frames and bottom are of basswood. Front bars iron. Top, sides and front curtain are canvas. Shipped "knock down" but are easily put together.

**High Deep Long Weight Each**

No. 1.. 28 in. 25 in. 20 in. 16 lbs. \$1.75

No. 2.. 28 in. 25 in. 36 in. 23 lbs. 2.50

No. 3.. 28 in. 25 in. 48 in. 27 lbs. 3.50

**IOWA SHIPPING COOPS.**—All wood. Sides and end pieces nailed together with cleats so that coops are readily made in using form. As shown by cut the coops are ventilated both front and back, while the top is covered with slats, giving thorough ventilation. Cleats around upper and lower end make it easy to handle.

**High Wide Deep ½ doz. 1 doz.**

No. 6—18 in. x 12 in. x 18 in. \$1.00 \$3.60

No. 5—18 in. x 15 in. x 18 in. 1.10 4.00

No. 4—18 in. x 20 in. x 18 in. 1.25 4.50

No. 3—24 in. x 20 in. x 18 in. 1.40 5.00

No. 2—30 in. x 20 in. x 18 in. 1.75 7.00

No. 1—36 in. x 24 in. x 18 in. 2.25 9.00



IOWA SHIPPING COOP.

**CROWN BONE CUTTERS.**—No. 1.—Weighs 50 lbs.; is to be bolted to bench or table for operation. Each \$7.00.

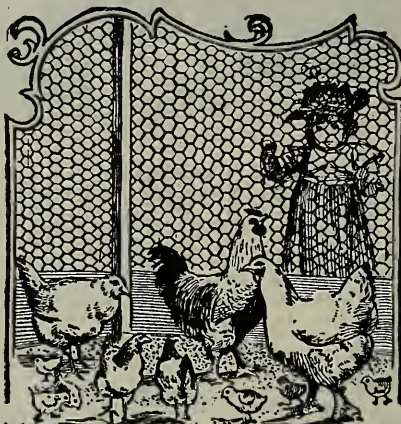
No. 2.—Same as above but has a tripod metal stand upon which cutter is fastened. Weighs 80 lbs. Each \$8.50.

**WILSON DRY BONE AND SHELL MILL.**—It will grind either shell or dry bone and crack wheat or corn. Ea. \$4.50.

**HUMPHREY'S GREEN BONE AND VEGETABLE CUTTER.**—One of the leading bone cutters. Be sure and investigate before you purchase. Manufacturer's guarantee given with each cutter sold. No. 1 cutter \$12.00; No. 2½, semi-power, \$15.00; No. 2, all-power cutters, each \$13.50.

**HUMPHREY'S RAPID CLOVER CUTTER.**—For cutting clover, alfalfa, etc., which are essential foods for poultry. Strong and durable with five cutting knives and double-edge stationary knife which is reversible. Price each \$11.00.

**MODEL GRINDING MILL.**—To grind shell, grit, bone and grains. Easily adjusted to grind coarse or fine as desired. No. 1, each \$3.00. No. 2, \$4.50.



The best make, thoroughly galvanized to prevent rusting, and properly twisted. The following prices are subject to important market changes: Made of No. 19 wire and 2-inch mesh; put up in rolls 150 feet in length.

Width Inches	Per Roll	Width Inches	Per Roll
12	\$ .90	36	\$2.70
18	1.35	48	3.60
24	1.80	60	4.50
30	2.25	72	5.40
One-inch mesh, No. 20 wire, for young chicks and Belgian hares.			
12	\$2.00	30	\$5.00
18	3.40	36	6.00
24	4.00		

Other widths if desired. Will allow 5 per cent discount on lots of five rolls or more.

Cut rolls, any width, of 2-inch mesh, 1 cent per square foot.

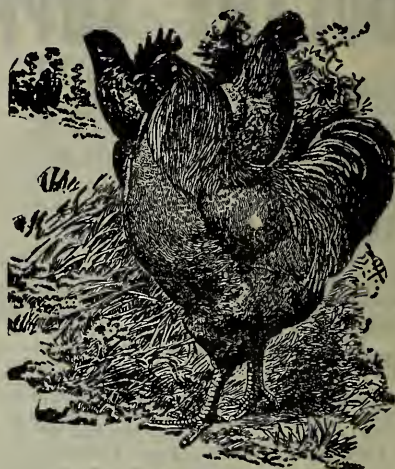
Cut rolls, any width, of 1-inch mesh, 2 cents per square foot.

**BANNER POULTRY FENCE.**—Made of heavy No. 17 galvanized wire with small square mesh at bottom, ranging larger at top. Strong and durable. Small chicks cannot get through and it will turn dogs and small animals. Put up in rolls of ten rods length.

Width	Cut Rolls	Full Roll	Five Rolls
13-inch	\$ .16	\$2.40	\$11.50
24-inch	.20	3.00	14.00
36-inch	.25	3.60	17.00
48-inch	.30	4.20	20.00
60-inch	.35	5.00	23.50
72-inch	.40	6.00	28.50

**GALVANIZED STAPLES.**—For fastening wire poultry netting, 10c per lb.

**WIRE HENS' NESTS.**—These nests are strongly made from heavy wire and will last a lifetime. There is no room on them for lice to find a lodging place, and they are easily kept clean. Each 15c, half doz. 80c, doz. \$1.50, not prepaid.



BUFF PLYMOUTH ROCK

## EGGS FOR HATCHING

If 15 chicken eggs are wanted for a setting, add 15c to price quoted.

We are prepared this season to supply eggs for hatching from choice farm-raised, high-grade, thoroughbred stock of the leading varieties. They are superior egg-laying strains and have won many prizes at leading poultry shows.

**BARRED PLYMOUTH ROCKS.**—The farmer's favorite. From large, well-marked stock. Setting of 13 eggs \$1.25.

**WHITE PLYMOUTH ROCKS.**—Great egg producers and very early to mature. Our stock is pure white. Price per setting of 13 eggs \$1.25.

**BUFF PLYMOUTH ROCKS.**—Becoming very popular as a general purpose fowl. Per setting of 13 eggs \$1.50.

**WHITE WYANDOTES.**—Rapidly becoming favorites. They are great layers, mature early and are pure white. Price per setting of 13 eggs \$1.50.

**SILVER-LACED WYANDOTES.**—Most popular of Wyandotte class. Per setting of 13 eggs \$1.50.

**BLACK LANGSHANS.**—Very satisfactory for general purposes. Per setting of 13 eggs \$1.50.

**BROWN LEGHORNS.**—The greatest of all layers. Our stock is from one of the best laying strains in the country. Price per setting of 13 eggs \$1.25.

**SINGLE COMB WHITE LEGHORNS.**—Beautiful and profitable variety. Per setting of 13 eggs \$1.25.

**LIGHT BRAHMAS.**—High scoring stock. Per setting of 13 eggs \$1.50.

**RHODE ISLAND REDS.**—Single or Rose Comb as preferred. Per setting of 13 eggs \$1.50.

**BUFF ORPINGTONS.**—Large, handsome fowls. Per setting of 13 eggs \$1.50.

**WHITE ORPINGTONS.**—Most popular breed among fanciers. Our stock is a fancy strain. Setting of 13 eggs \$1.50.

**BLACK ORPINGTON.**—The Orpington that is the favorite of the breed with many. Per setting of 13 eggs \$1.50.

**BUFF COCHIN BANTAMS.**—Similar in shape and color to the standard Buff Cochin fowl, except in size. Price per setting of 15 eggs \$2.00; 7 for \$1.00.

**BRONZE TURKEYS.**—Usually scarce, but we hope to have a good supply this season. Setting of nine eggs \$3.00.

**WHITE HOLLAND TURKEYS.**—Preferred by some over the Bronze variety. Per setting of 9 eggs \$3.00.

**MAMMOTH WHITE PEKIN DUCKS.**—Per setting of nine eggs \$1.50.

**INDIAN RUNNER DUCK.**—Considered the best layers of any breed of ducks. Quick growing. Setting of 9 eggs \$1.50.

**EGGS FOR INCUBATORS.**—Write us for prices, stating the number of eggs you will want and breed. Will quote you very lowest prices.

**BREEDING STOCK.**—A few choice cockerels and pullets at reasonable prices. Order early as our stock is limited. We send out only choice stock which will please our customers. Write for a price list.



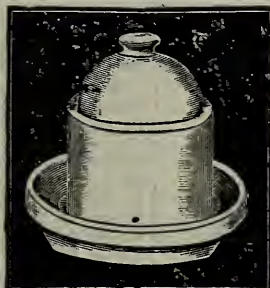
## SUCCESSFUL GRAIN SPROUTER

For sprouting oats or other grain for poultry. Made entirely of galvanized steel in sections as shown in our illustration. Each section holds two trays for grain. Sections are interchangeable and the sprouter may be enlarged by additional sections as needed. Made in five sizes.

- No. 1—Base and 1 Section, wt. 50 lbs.—2 trays, Each holds 8-10 qts. dry grain (30 to 60 hens).....\$ 6.50  
 No. 2—Base and 2 Sections, wt. 70 lbs.—4 trays, holds 16-20 qts. dry grain (75 to 100 hens).... 8.50  
 No. 3—Base and 3 Sections, wt. 85 lbs.—6 trays, holds 24-30 qts. dry grain (130 to 200 hens)... 12.75  
 No. 4—Base and 4 Sections, wt. 100 lbs.—8 trays, holds 32-36 qts. dry grain (250 to 300 hens)... 12.75  
 No. 5—Base and 5 Sections, wt. 115 lbs.—10 trays, holds 40-50 qts. dry grain (400 to 600 hens)... 15.75  
 Each additional Section and 2 galvanized all-steel trays, wt. 20 lbs..... 2.75



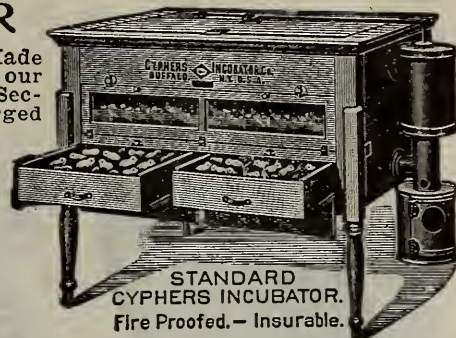
- IMPROVED AMERICAN FEEDER.**—A metal feeding trough with top of wires to prevent crowding; a good water pan. By parcel post.  
 No. 1—3-inch trough; 18 in. long.....Each \$ .64  
 No. 2—4-inch trough; 24 in. long.....Each 1.00  
 No. 3—5-inch trough; 36 in. long.....Each 1.38  
 By express, No. 1, 50c; No. 2, 75c; No. 3, \$1.00.



**CYPHER'S PORTABLE HOVER.**—You can set the portable hover any place—colony house, laying house, barn or dwelling. Self regulating with zinc and steel thermostat. Moved at will without disturbing the lamp. Make a pen of boards or wire netting around it and you have a perfect brooder. Capacity, 75 to 100 newly hatched chicks. Complete with thermometer, price each \$8.50.

- CYPHER'S BROODERS.**  
 Style A. Outdoor, 32x32 inches.....\$12.50  
 Style B. Outdoor, 32x36 inches..... 16.50  
 Style C. Outdoor, 32x62 inches..... 18.50

**CYPHER'S GRIT AND SHELL BOXES.**—Are made of galvanized iron. Like illustration of Moe's grit and shell box except bottom is flat. Can be hung up or set on the ground. By parcel post, No. 1, 3 compartments, 85c; No. 2, 2 compartments, 95c. By express, No. 1, 65c; No. 2, 75c.

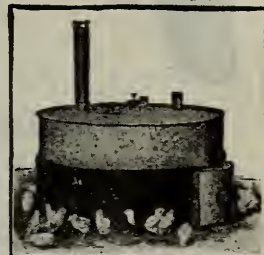


STANDARD  
CYPHERS INCUBATOR.  
Fire Proofed.—Insurable.

## STANDARD CYPHER'S INCUBATOR

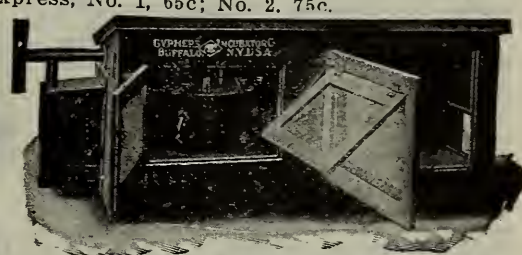
Give the best of satisfaction, are the easiest to operate, require the least amount of oil, capacity considered, and will hatch a larger per cent than any other machine we have ever tried, including more than twenty of the leading machines. Nos. 0 and 1 do not have nursery shown in illustration.

- No. 0, 70 egg...\$15 No. 1, 144 egg...\$22  
 No. 2, 244 egg... 32 No. 3, 390 egg... 38



**SANITARY DETACHABLE FOUNTAIN.**—Is made of stoneware; the chicks can drink all around. Easily cleaned. Shipped only by freight or express. One-quart 25c, doz. \$2.50; 2-quart 30c, doz. \$3.00; gal. 35c, doz. \$3.50; 2-gal. 50c, doz. \$5.00.

**MOE'S GRIT AND SHELL BOX.**—Has three compartments for grit, shell and charcoal; galvanized iron. Can be used as feed hopper for small chicks; ½ pk. By mail 78c; by express 50c.



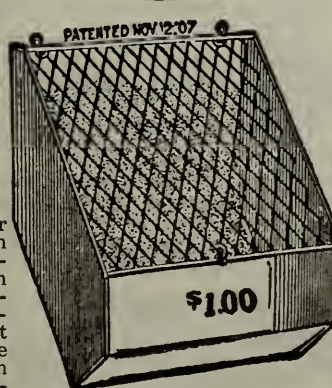
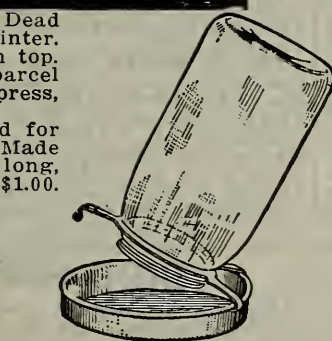
**MOE'S TOP FILL FOUNTAIN.**—Won't stop over. Dead air space keeps water cool in summer, warm in winter. Simple in construction. Remove cover and fill from top. Water ceases to flow when cover is removed. By parcel post, 1-gal. \$1.57; 2-gal. \$2.13; 4-gal. \$2.87. By express, 1-gal. \$1.25; 2-gal. \$1.75; 4-gal. \$2.25.

**MOE'S SANITARY FEED TROUGH.**—Can be used for feed; mash or water. Barred top prevents waste. Made of galvanized iron. By parcel post, No. 21, 12 in. long, each 33c; No. 22, 18 in. long, 64c; No. 23, 24 in. long, \$1.00. By express, No. 21, 25c; No. 22, 50c; No. 23, 75c.



**SIMPLICITY HATCHER.**—The ideal machine for operators who want early chicks and cannot furnish enough fresh eggs at one time to fill a larger machine. The Simplicity is a hot water machine with a hot water jacket around the outside of egg chamber as shown in the illustration. The heat is absolutely uniform, the thermometer can be seen without opening the machine and the chicks drop into the hover when hatched. In two sizes: Galvanized iron tank, 50-egg, price \$7.50; 100-egg, price \$11.00. Copper tank, 50-egg, price \$8.50; 100-egg, \$12.00.

**BOSTON DRY FOOD HOPPER.**—A metal box with wire cover to keep out the rats. By parcel post: No. 1, capacity 4 qts., each \$1.20; No. 2, capacity 12 qts., each \$1.38. Either size by express, \$1.00



**NORTHWESTERN AUTOMATIC FEEDER AND FOUNTAIN.**—A metal pan in the center of which can be fastened a Mason fruit jar. Fill the jar with feed or water as desired, screw on pan and turn jar upside down, and the contents flow automatically into the pan as needed. We sell pans only, as everyone has Mason jars. Pans 5-in. diam., each 25c, postpaid; 6-in., each 30c, postpaid.

**INCUBATOR THERMOMETERS.**—We handle the best manufactured. All tested, and of known accuracy.

No. 751.—Straight, upright pattern, reads upward. Each 55c, postpaid.

No. 756.—Reads almost horizontally, but is liked by many as it lies in the machine without danger of breakage from agitation. Each 65c, postpaid.

**NORWICH EXERCISER AND FEEDER**

- No. 1—8 qt. hopper; wt. 12 lbs....\$2.50  
 No. 2—14 qt. hopper; wt. 15 lbs.... 3.25  
 No. 3—20 qt. hopper; wt. 20 lbs.... 4.10  
 No. 4—32 qt. hopper; wt. 30 lbs.... 5.00

**HEN FRIEND DRINKING FOUNTAIN.**—Made of galvanized iron. Easily filled and handled. By parcel post, 2-qt. size each 33c; 4-qt. size each 49c; 10-qt. size each 70c. By expr., 2-qt. size each 25c; 4-qt. each 35c; 10-qt. each 50c.





## Our Talking Pet



## PARROTS

### GUARANTEED TALKERS

A bird that talks has a wonderful charm. Below we offer young, tame, hand raised parrots guaranteed to learn to talk. Living arrival guaranteed to any express office in U. S. located on a railroad. Birds ready to ship in early summer. Order very early.

**CUBAN PARROTS.**—Medium size, and make nice talkers. Usually in stock from June to September. \$5.50 each.

**ROYAL AZTEC DOUBLE YELLOW HEADS.**—Our very finest talking strain, unsurpassed as imitators of the human voice. They are superior to all other American parrots and make most fluent talkers. Guaranteed. Price \$15.00 during summer, but usually higher after August 15th.

**COMMON DOUBLE YELLOW HEADS.**—Very good birds fully guaranteed and second only to the Royal Aztecs. Price \$9.75 during the summer.

**MEXICAN RED HEAD PARROTS.**—Medium size, make nice talkers and great pets. Young birds ready in June. Price \$4.75 each. Price higher toward end of season.

**PANAMA PARROTS.**—Large, green parrots, very fluent talking species. Usually in stock entire year. Price, \$12.50 each.

**CARTHAGENA OR SINGLE YELLOW HEADS.**—Guaranteed. Ea. \$12.50.

**TRAINED PARROTS.**—We buy and sell educated parrots. Ask about them.

# BIRDS

## "Little Dewdrops of Celestial Melody."

The companionship of a bird has brightened the life of many a tired, over-worked mother on whom the daily cares and burdens rested heavily. The music of a good singer makes the whole house more cheerful and every member of the family enjoys the pure, clear notes of a happy little song bird. The superior quality of our imported canaries will please the most critical. We handle thousands of birds annually and have the largest mail order business in America. Ask for complete illustrated catalogue. We ship to all parts of the United States and guarantee live arrival to any express office which is a railroad station. Express charges are to be paid by purchaser on all goods on this page except where stated. Book on canaries for 25c. Descriptive catalog free.

**HARTZ MOUNTAIN CANARIES.**—These birds are bred in Germany, high up among the Hartz mountains, and are famous for their clear, pure, beautiful song, which is a restful melody. Because their voice is just as nature gave it—unchanged by any training—we call them Nature's Solo Singer, to distinguish them from the trained bird below. These are the finest singers ever offered at the price. Male birds, guaranteed good singers, ea. \$3.00. In stock from September to April.



HARTZ MOUNTAIN CANARY  
the finest singers ever offered at the price. Male birds, guaranteed good singers, ea. \$3.00. In stock from September to April.

**ST. ANDREASBERG JUBILEE ROLLERS.**—These birds are trained singers imported from Germany. Their tones are sweet, round and full, consisting of delightful bell notes, low water bubble, charming flute notes and long, silvery trills. Their most restful music continually surprises by its many changes. Male birds, guaranteed good singers. Each 5.00. In stock November to April.

**FEMALE CANARIES.**—Hartz females \$1.00, \$1.50 and \$2.00 each. Roller females \$3.00 each. Order between September 1st and March 15th.

**OTHER BIRDS.**—Following usually in stock from September to April:  
Goldfinches, males.....\$2.50 each  
Linnets, males.....2.50 each  
Bullfinch, males.....3.00 each

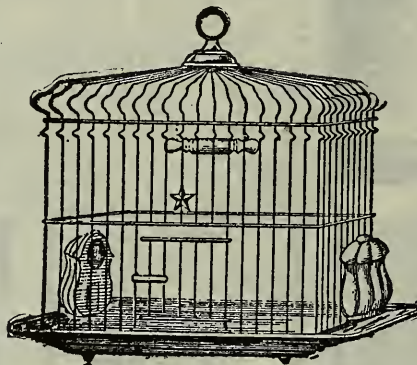
Following usually in stock at all times:  
Brazilian Cardinal, males....\$4.25 each  
Java Sparrows, white.....6.50 pair  
Java Sparrows, gray.....3.00 pair  
Australian Shell Parakeets... 7.50 pair  
Royal Scarlet Macaws.....25.00 each  
Sulphur Crest Cockatoos.....15.00 each  
Rose Breast Cockatoos.....10.00 each

Any bird not in stock will be obtained for you when possible. Write for what you want. Ask for Bird Catalogue free.

**ROUND PARROT CAGES.**—Tinned wire, durable, satisfactory. 12 inches in diameter \$1.75; 13-inch \$2.25; 14-inch \$2.75; 16-inch \$3.50; 18-inch \$4.50.

**WIRE NESTS.**—10c each. Postage on one to three nests 4c extra.

**TOY BELLS.**—For birds, 7c, postpaid.  
**PARROT BELLS.**—Each 12c, postpaid.



IMPROVED BRASS CAGE

**IMPROVED BRASS CAGES.**—(Like cut.)—Sizes 5½x8½ in. \$1.00; 6x9 \$1.15; 6½x9½ \$1.40; 7x10 \$1.70; 7½x10¼, \$2.25; 8½x11½ \$2.60.

**IDEAL BRASS CAGE.**—Like cut but has brass screen around lower part. Size 6x9 \$2.20; 7x10 \$3.00; 8½x11½ \$3.50; 8½x11½ fancy top, \$5.00.

**BREEDING CAGES.**—Wood frame. Single compartment: 17 in. long \$1.75; 19 in. \$2.00; 21 in. \$2.25. Double: 19 in. \$2.50; 21 in. \$3.00; 23 in. \$3.50 each.

**PARROT BOOK.**—Paper cover, 25c. Parrot Catalogue free.

## BIRD SEED

But few persons are aware how much a bird's health, and consequently its song, depends upon feeding strictly fresh seed properly mixed and of good quality. As you value the life of your bird, feed only our fresh seed.

**SUPERIOR MIXED BIRD SEED.**—Per lb. 10c; 3 lbs. 25c; 13 lbs. \$1.00.

**GERMAN SUMMER RAPE.**—Fed very largely to trained canaries. Price 15c per lb.; 8 lbs. \$1.00.

**SICILY CANARY.**—Price 15c per lb.

**MAMMOTH RUSSIAN SUNFLOWER.**—Price 10c per lb.; 13 lbs. \$1.00.

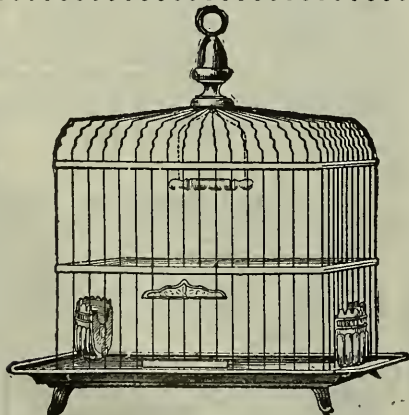
**MIXED PARROT SEED.**—Same price.

**PARROT Dainties.**—Per pkg. 25c, postpaid.

**BIRD HEALTH.**—A preparation of our own which will keep birds in good condition at all times. It relieves colds and cures obscure ailments after other remedies fail. Restores the voice and invigorates the system. Price per 2 oz. box 15c, postpaid. Four boxes for 50c.

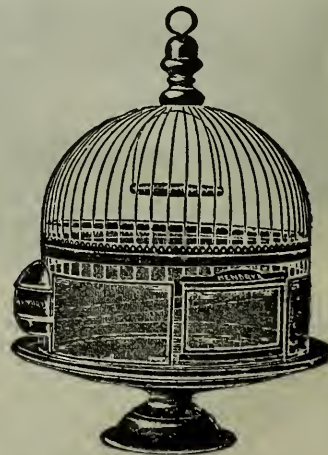
**CUTTLE BONE.**—7c each, postpaid.

**PREPARED MOCKING BIRD FOOD.**—Best food on the market for all soft billed birds. Can 35c., wt. about 2 lbs.



**JAPANNED OR PAINTED CAGE.**—Best cage on the market for the money. It is neat, durable and convenient.

No.	Size	Wt.	Price
65.....	6½x9½ in.	4 lbs.	\$.85
66.....	7 x10½ in.	4 lbs.	1.00
67.....	7½x11 in.	5 lbs.	1.25
68.....	8½x12¼ in.	5 lbs.	1.40



CLIMAX CANARY CAGE

Very popular style. Neatly jappaned, has screen to prevent scattering of the seed. Diameter 11 inches, total height 17½ inches. Parcel post weight 6 lbs. Price, by express, each \$2.25.



# GOLDFISH

BEAUTIFUL; EASY TO KEEP; WE TELL YOU HOW.

Did you ever own a globe of Goldfish? You admire them, no doubt, for their pretty form, exquisite coloring and graceful movements, but if you have never kept fish, you cannot realize how your interest grows as you become more familiar with them. They are not hard to keep; just follow our plain printed directions sent free with each Goldfish order and you can hardly fail to succeed. Goldfish are kept quite generally in city and town and there seems no reason why our customers in the country should not share just as fully in the pleasure a nice aquarium affords. Be the first in your locality to get an outfit: you will find all the neighbors interested and their admiration will add to your enjoyment of the fish. We ship Goldfish any time of the year except through the hot summer months, but buy early in the season while it is still cool weather because this is favorable for the fish. Ask for free Aquaria Catalogue.



GLASS FISH GLOBE

**GOLD FISH.**—While there are many varieties of gold fish as named and described in this list, we refer only to the plain variety by this name. These are more popular than the fancy sorts, being low priced and generally satisfactory. They are a species of carp, originally inhabiting ponds and sluggish streams in China, and they are better adapted to life in fish globes than any other breed of fish.

They are universal favorites, of golden red color. Those bred in this state seem to have a peculiar brilliancy of coloring which is especially noticeable when in the fish globes. Prices, 10c, 15c, 25c, 35c, 50c and \$1.00 each, according to size. The 25c size (5 for \$1.00) is the most popular. The largest size is only suitable for ponds or fountains.

**SILVER FISH.**—This is simply an uncolored gold fish of dark silvery color. Nice for variety. Medium size 10c each; 6 for 50c.

**PEARL FISH.**—These elegant fish are either of a clear pearly white color or white is variegated with gold markings. Medium size 25c; 6 for \$1.00.

**AMERICAN FANTAIL FISH.**—Are bred from the imported Japanese fish and are very handsome. Price, according to size, shape and color, 25c, 35c, 50c and 75c each.

**ORIOLE FISH.**—Are beautifully variegated golden red and clear black. Medium size 30c each.

**AQUARIUM CASTLES.**—Very pretty castle like cut in upper right corner. Size for 1 gal. globe 20c, parcel post weight 1 lb. Size for 2 gal. globe 30c, weight 2 lbs. Ask for free Aquaria Catalogue showing many other styles.

**PREPARED FISH FOOD.**—Good for all kinds of gold fish. This we import from Germany where they make the best quality and of the purest materials. Price 10c per box, postpaid.

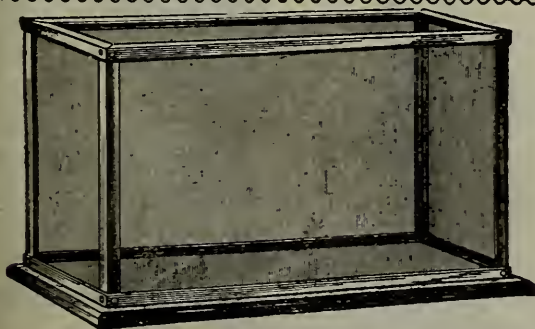
**PAGE'S FISH FOOD.**—A fish food in granular form specially prepared by us. Best for amateurs. Price 15c per pkg, postpaid.

**GLASS FISH GLOBES.**—These are neat, cheap and consequently more popular than the large aquariums. Like cut in upper left corner of page. Measurements are approximate.

1 qt. .5 in.	.25	8 qts. 10 in.	\$1.00
2 qts. .6 in.	.40	12 qts. 11 in.	1.25
3 qts. .7 in.	.50	16 qts. 12 in.	1.75
4 qts. .8 in.	.60	20 qts. 15 in.	3.00

## HOME COLLECTION

Consists of one 4-quart Globe, three pretty Fish, Plant, Shells, and Food. Weight, packed for shipment, about 13 pounds. Price, \$1.25.



**STANDARD AQUARIUM.**—Very strong iron frame, thick slate bottom. Our best line. No. 1, size 18x10x11, holds 5 gal. .... \$ 7.00 No. 3, size 22x14x13, holds 12 gal. .... 10.00 Dimensions are outside measure. Larger sizes quoted on request.

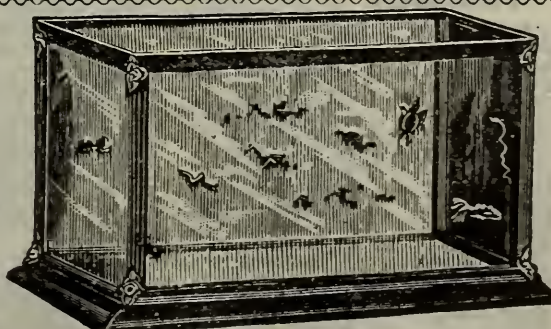


THE PARLOR AQUARIUM.

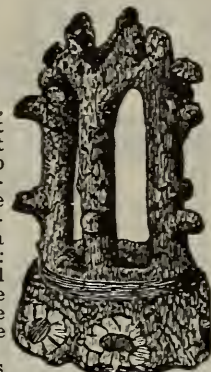
This is such a pretty and unusual design that it is very popular and a great seller. It consists of a shallow globe which rests on a metal stand where it is held by a thick glass stem protruding from lower part of the bowl. The wide open top allows freest access of air for the fish and gives best opportunity for arranging plants or ornaments, all of which are visible to best advantage. Globe with aluminum stand \$3.25, or with plants and four fish to stock it, all for \$4.75. Same aquarium with neat black iron stand, 50c less.

## PARLOR COLLECTION

Consists of one 8-quart Globe, five Fancy Fish, Food, Plant, Shells. Shipping weight about 20 pounds. Price of Collection, \$2.00.



**BOSS AQUARIUM.**—Best low-priced aquarium on the market. No. 10, size 14½x9½x10, holds 3½ gal. .... \$3.00 No. 11, size 18x10½x11½, holds 6 gal. .... 4.00 No. 12, size 20½x13x13½, holds 9 gal. .... 5.00 Dimensions outside measure.



AQUARIA CASTLE

**COMET FISH.**—Also called "Gorgeous Tails," "Long-Tailed Beauties," and "Fancy Gold Fish." They are without doubt the most graceful in their movements of all aquaria fish. Medium size 25c each; large 50c each. Extra choice colors and markings 75c to \$1.25.

**JAPANESE FANTAIL FISH.**—By far the most popular of all fancy fish and the most satisfactory of the imported varieties. The fins and tails are long and of delicate lace-like appearance. The tail is V-shape and frequently divided so that it might be called two distinct tails. They are beautifully variegated usually with golden red and pearly white or black. Choice specimens 50c each. Fancy 75c each. Extra fancy \$1.00 each.

**JAPANESE FRINGETAIL FISH.**—These aristocratic fish are undoubtedly the most beautiful of all aquaria fish, having extremely long, drooping tail and fins. Choice specimens sell at \$10.00 to \$50.00 each. We can furnish select specimens at \$3.00 and \$5.00.

**TELESCOPE FISH.**—A very curious appearing fish which always attracts attention from its "extreme ugliness." Its eyes are abnormally large and bulging. Price \$1.00 to \$1.50. Black Telescopes, which are quite rare, \$3.00 each.

**SHIPPING BUCKETS.**—Unless you order fish globe with fish it will be necessary to ship them in a can or bucket. For this purpose we offer 2 or 3-quart tin buckets suitable for holding 6 medium sized fishes or less at 10c each, 4-quart at 15c, 6-quart, will hold 12 medium sized fishes, 20c.

**STANDING FISH GLOBES.**—These are raised up on a glass base and are handsomer than the ordinary fish globe.

Holds About	Ea.	Holds About	Ea.
½ gallon.....	\$1.00	2 gallons....	\$2.25
1 gallon.....	1.25	3 gallons....	3.00
1½ gallons.....	1.50		

**AQUARIA BOOK.**—Illustrates and describes all best kinds of fancy fish. How to breed and care for gold fish, etc.; 64 pages; 15c; cloth bound, 50c, postpaid.

**AQUARIUM PLANTS.**—See page 130.

**WHITE SAND.**—Absolutely clean. Is very beautiful for aquariums. Price per pkg. (about 2 lbs.) 10c.

**DIP NETS.**—For handling fish without danger of injuring them. Medium size, 25c, postpaid.

## Books on Fish

**THE AQUARIA.**—Listed above. Best popular low-priced treatise on Goldfish. By C. N. Page. Price, paper cover, 15c; cloth bound, 50c.

**GOLDFISH.**—A large work by Hugo Mullert. Very comprehensive and interesting. Price, \$2.00, postpaid.

**GOLDFISH BREEDS.**—An up-to-date work endorsed by scientists and specialists in this line. It contains 280 illustrations, has 390 pages and is well bound. Price, \$3.00, postpaid.

**CEMENT.**—Invincible waterproof cement, to set glass in aquarium. Lb. 25c.



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**ELITE PANSIES** A strain of mixed pansies unequalled in diversity and brilliancy of colors. They are of the mammoth flowered type, and are much superior to the ordinary strains of mammoth pansies, both in markings and texture of the blooms. There is a velvety softness in the beauty of the pansy that is not found in any other blossom, and it is this attribute; difficult to convey in either picture or description, that is brought nearest to perfection in our Elite mixture. We offer it as an exceptionally choice pansy mixture. Pkt. 20c; ¼ oz. \$4.00; oz. \$12.00.

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**VICTOR MIXED ASTERS** The Victor Mixed is the choicest offering we make in asters. Seed is from vigorous plants, perfect blooms, and of all known shades of colors found in this flower. Of branching type, producing sturdy plants with immense blooms. Asters are the favorite fall garden flower and in the Victor mixture we give you the very finest that can be produced. They will delight the grower, because they offer so much beauty, and are so useful in any way and on any occasion when flowers are desirable. Our picture on the outside cover shows nicely the shape of the flower, but only one color is shown whereas there are a dozen different shades in the Victor mixed. Pkt. 15c; ¼ oz. 60c; oz. \$2.00.

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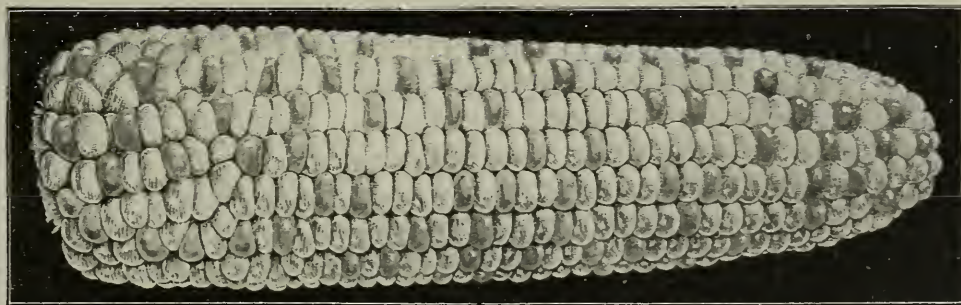
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**DWARF STONE TOMATO** This is a splendid tomato for the home garden. The vines are dwarf and compact in growth and do not require so much space as the larger growing standard sorts. The fruits are large and smooth, and equal in size and quality the popular Stone variety which is one of the best. It yields immensely and we commend it as the best of the dwarf types. Fruits are bright red in color, solid and heavy, with few seeds and pleasing flavor. Excellent for canning or catsup, cooking a deep, bright crimson. Pkt. 10c; oz. 35c; ¼ lb. \$1; lb. \$3.50.

**SPARKLER RADISH** This is a new extra early white-tipped round variety. It is distinct in that the white tip is larger and more pronounced than in any other variety. Well adapted for either forcing in frames or for the private garden. Will brighten the whole table if placed in a glass dish where colors show to good advantage. Quality unsurpassed; remain solid and crisp a long time. Pkt. 5c, oz. 10c; ¼ lb. 30c; lb. \$1.00.

**COPENHAGEN MARKET CABBAGE** A splendid new early flat head cabbage. Matures almost as early as Jersey Wakefield, averages 10 pounds in weight, has few leaves and is remarkably hard and solid. Grows compact, takes but little room and matures with a short stem. Has proven its excellence in three year trials and we recommend it without reservation. It is a carefully bred variety from Denmark and the type and quality is thoroughly fixed. Packet 10c; oz. 35c; ¼ lb. \$1.25; lb. \$4.00.



**GOVERNOR GILMAN SWEET CORN** Named for Governor Gilman of Minnesota, who produced it by crossing Golden Bantam on a larger early white variety of sweet corn of exceptional quality. The variety shows its origin in both the green and mature corn as it shows uneven dotting of white and golden grains as will be noted in our illustration of an ear in fit table condition. When cooked the variation does not show so plainly, and it presents a beautiful golden appearance on the table. It is the quality of this corn that has induced us to give it a prominent place in our list. There is no corn offered, not even Golden Bantam, that is so sweet, so tender and fine flavored as the Governor Gilman. When to its quality we add good size, earliness and prolific yield we have in our opinion the best of all sweet corn, and urge our friends to plant it in full confidence that it will prove its superiority in every way. Packet 10c; ¼ lb. 15c; lb. 35c; 3 lbs. \$1.00.

**TABLE QUEEN SQUASH** A fine acquisition to our list of table vegetables. It is to our mind the best flavored squash in the list. They are just the right size, averaging about six to eight inches long and four to six inches in diameter. The shape and general appearance are well shown in colors on the reverse of this sheet, and you will find a photograph on page 33, which shows the thickness and solidity of the flesh. Ripening in the latter part of September it will keep firm and solid as long as the Hubbard. Its convenient size and excellent quality will make it a favorite. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

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